

# **Agricultural Biologicals Market Report by Type (Biopesticides, Biofertilizers, Biostimulants), Source (Microbials, Macrobials, Biochemicals, and Others), Mode of Application (Foliar Spray, Soil Treatment, Seed Treatment, Post-harvest), Application (Cereals and Grains, Oilseed and Pulses, Fruits and Vegetables, Turf and Ornamentals, and Others), and Region 2024-2032**

<https://marketpublishers.com/r/AA726BC3F4DBEN.html>

Date: March 2024

Pages: 147

Price: US\$ 3,899.00 (Single User License)

ID: AA726BC3F4DBEN

## **Abstracts**

The global agricultural biologicals market size reached US\$ 14.3 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 44.6 Billion by 2032, exhibiting a growth rate (CAGR) of 13.1% during 2024-2032. The increasing demand for eco-friendly and sustainable farming practices, rising awareness about the harmful effects of chemical pesticides, and escalating food security concerns are some of the major factors propelling the market.

Agricultural biologicals are a category of agricultural inputs derived from natural sources, such as microorganisms, plants, and organic materials. They are used in farming to enhance crop growth, protect plants from pests and diseases, and improve overall agricultural sustainability. Unlike traditional chemical pesticides and fertilizers, agricultural biologicals harness the power of nature to promote healthier and more resilient crops. These biological products include biopesticides, which are used to control pests and diseases through non-toxic mechanisms, and bio stimulants, which enhance plant growth and development. In recent years, agricultural biologicals have gained prominence due to their environmentally friendly nature, lower chemical residue, and compatibility with organic farming practices.

The rising emphasis on sustainable agriculture practices and reduced chemical use will stimulate the growth of the agricultural biologicals market during the forecast period. Consumers and regulators are increasingly concerned about the environmental and health impacts of traditional pesticides and fertilizers, leading to a shift toward eco-friendly alternatives like agricultural biologicals. Moreover, the escalating demand for organic and non-GMO food products is propelling the market growth, as these products often require natural and biologically-based solutions for pest control and nutrient enhancement. Apart from this, numerous advancements in biotechnology and microbiology, including the development of innovative agricultural biological products that offer more efficient and targeted solutions for crop protection and yield improvement, have catalyzed market growth. Furthermore, the rising need to address food security challenges for a growing global population has accelerated the adoption of agricultural biologicals, as they provide a sustainable means to increase crop productivity while minimizing environmental harm.

#### Agricultural Biologicals Market Trends/Drivers:

##### Growing demand for sustainable agriculture

Traditional farming methods that heavily rely on chemical pesticides and synthetic fertilizers have raised concerns about their long-term environmental impact. As a response, agricultural biologicals have gained traction as a more environmentally friendly alternative. These products harness the power of nature, utilizing beneficial microorganisms, enzymes, and organic materials to enhance crop growth and protection. Sustainable agriculture addresses environmental concerns and aligns with consumers' preferences for food produced with minimal chemical residues. Furthermore, governments and regulatory bodies across the globe are promoting sustainable farming practices through incentives and regulations. This growing awareness and commitment to sustainability propel the adoption of agricultural biologicals as an essential component of modern agriculture.

##### Increasing awareness of health and environmental concerns

The rise in awareness of health and environmental issues associated with traditional agricultural chemicals is a significant factor catalyzing the demand for agricultural biologicals. Consumers are becoming more conscious of the potential health risks posed by chemical residues in food and the impact of pesticide runoff on water sources and ecosystems. As a result, there is a growing consumer preference for products that are free from chemical residues. Agricultural biologicals offer a safer and more

sustainable alternative. They work through biological mechanisms, posing fewer risks to human health and the environment. Additionally, regulatory agencies of various nations are tightening restrictions on chemical pesticide usage, further incentivizing the adoption of biological alternatives. This heightened awareness of health and environmental concerns is encouraging farmers to integrate agricultural biologicals into their practices, ensuring safer and more eco-friendly agriculture.

### Rapid advancements in biotechnology

The agricultural biologicals market benefits significantly from continuous advancements in biotechnology and microbiology. These scientific innovations have led to the development of highly effective and targeted agricultural biological products. These advanced products provide farmers with more efficient means to control pests, diseases, and weeds while simultaneously enhancing crop yields. Moreover, improvements in formulation and delivery systems make these biologicals easier to apply and integrate into existing farming practices. As a result, farmers are increasingly adopting these novel solutions to optimize their crop production and reduce their reliance on chemical inputs. The continuous evolution of biotechnology ensures that agricultural biologicals market remains dynamic and responsive to the ever-evolving needs of modern agriculture, thereby propelling the market growth.

### Agricultural Biologicals Industry Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global agricultural biologicals market report, along with forecasts at the global, regional and country levels for 2024-2032. Our report has categorized the market based on type, source, mode of application, and application.

### Breakup by Type:

Biopesticides

Biofertilizers

Biostimulants

The report has provided a detailed breakup and analysis of the market based on the type. This includes biopesticides, biofertilizers, and biostimulants.

Biopesticides are natural or biological substances derived from microorganisms, plants, or other natural sources that are used to control pests and diseases in agriculture. They offer a sustainable alternative to chemical pesticides, minimizing environmental impact

and reducing chemical residues on crops. They assist in addressing increasing concerns about chemical pesticide use, providing effective pest management while aligning with eco-friendly farming practices.

Biofertilizers are microbial-based products that enhance soil fertility and plant nutrition. They contain beneficial bacteria, fungi, or other microorganisms that fix nitrogen, solubilize nutrients, and improve nutrient uptake by plants. By promoting healthier soil and plant growth, biofertilizers contribute to sustainable agriculture, reducing the need for synthetic fertilizers. This eco-friendly approach to soil enrichment drives the agricultural biologicals market, as it aligns with the growing demand for organic and sustainable farming practices.

Biostimulants are substances, often derived from natural sources, that stimulate plant growth and development. They enhance plant tolerance to abiotic stresses, such as drought and salinity, and improve nutrient uptake and utilization. Biostimulants offer a valuable tool for farmers seeking to increase crop yields while reducing environmental impact. Their ability to boost plant resilience and productivity propels their adoption and growth in the agricultural biologicals market as farmers strive for more efficient and sustainable agricultural practices.

Breakup by Source:

Microbials

Macrobials

Biochemicals

Others

Microbials account for the majority of the market share

A detailed breakup and analysis of the market based on the source has also been provided in the report. This includes microbials, macrobials, biochemicals, and others. According to the report, microbials accounted for the largest market share.

Microbials are a source of agricultural biostimulants, comprising beneficial microorganisms like bacteria, fungi, and algae used to enhance crop growth and productivity. These microorganisms can be isolated from natural sources or engineered for specific functions. They offer a sustainable and eco-friendly approach to agriculture. Microbial-based biostimulants improve soil health, enhance nutrient availability, and stimulate beneficial interactions between plants and microorganisms. Their ability to

boost plant growth, nutrient uptake, and stress tolerance is highly sought after by farmers aiming to optimize yields while reducing the environmental impact of agriculture. As the demand for sustainable farming practices grows, microbial-based biostimulants play a crucial role in promoting soil health and overall crop resilience, making them a key driver in the agricultural biostimulants market.

Breakup by Mode of Application:

- Foliar Spray
- Soil Treatment
- Seed Treatment
- Post-harvest

Foliar spray holds the largest share in the market

A detailed breakup and analysis of the market based on the mode of application has also been provided in the report. This includes foliar spray, soil treatment, seed treatment, post-harvest. According to the report, foliar spray accounted for the largest market share.

Foliar spray is a farming technique where a liquid solution, often containing nutrients or biostimulants, is applied directly to a plant's leaves. It allows for rapid absorption of essential compounds through the plant's stomata, bypassing root uptake and delivering nutrients or biostimulants directly to where they are needed. Foliar spray serves as an efficient delivery mechanism for biostimulant products.

Furthermore, these sprays can enhance nutrient uptake, improve photosynthesis, and boost the overall health and resilience of crops. As farmers seek to optimize crop yields, especially in stressful environmental conditions, foliar sprays with biostimulants offer a practical and effective solution. This application method is gaining immense popularity across the globe because it facilitates targeted and precise delivery of biostimulants, making them a valuable tool for sustainable and high-yield agriculture, thus contributing to the growth of the agricultural biostimulants market.

Breakup by Application:

- Cereals and Grains
- Oilseed and Pulses
- Fruits and Vegetables

Turf and Ornamentals  
Others

Fruits and vegetables represent the most popular application

A detailed breakup and analysis of the market based on the application has also been provided in the report. This includes cereals and grains, oilseed and pulses, fruits and vegetables, and turf and ornamentals. According to the report, fruits and vegetables accounted for the largest market share.

The main factors that are driving the growth of the fruits and vegetables segment are their unique characteristics and market demands. Biostimulants are increasingly adopted in fruit and vegetable cultivation as they promote better crop quality, improved yields, and extended shelf life, aligning with consumers' preference for high-quality, fresh produce. These crops often face various biotic and abiotic stressors, making them particularly responsive to biostimulant applications that enhance stress tolerance and nutrient absorption. Moreover, the organic and specialty crop segments, including fruits and vegetables, are witnessing substantial growth, and biostimulants are a natural fit for these markets, meeting the demand for sustainable and chemical-free farming practices. As consumers prioritize health-conscious choices and governments encourage sustainable agriculture, the use of biostimulants in fruit and vegetable production is poised to continue fostering growth in the agricultural biostimulants market.

Breakup by Region:

North America  
United States  
Canada  
Asia Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany

France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

North America exhibits a clear dominance in the market

The market research report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America accounted for the largest market share.

North America held the biggest share in the market since the region has a strong emphasis on sustainable farming practices and reduced chemical usage, which aligns with the eco-friendly nature of agricultural biologicals. Environmental concerns and a desire for safer, healthier food products have led to a higher demand for natural and organic farming methods, making agricultural biologicals a preferred choice for many North American farmers. Moreover, the well-established agricultural infrastructure and advanced research capabilities in North America facilitate the development and adoption of innovative biological products. This includes biopesticides, biostimulants, and biofertilizers that enhance crop yields, soil health, and pest management.

Apart from this, the implementation of stringent regulations on chemical pesticide usage in North America has escalated the adoption of safer alternatives like biopesticides, driving market growth. Furthermore, the region's vast agricultural landscape and diverse crop types, including grains, fruits, and vegetables, provide a broad application scope for agricultural biologicals, making North America a significant driver in the global agricultural biologicals industry.

Competitive Landscape:



The market is experiencing significant growth as key players in the agricultural biologicals domain are continually innovating to address the evolving needs of modern agriculture. One recent notable innovation is the development of precision agriculture solutions that integrate biologicals with digital technologies. Additionally, there is ongoing research into the use of CRISPR-Cas9 gene editing techniques to enhance the traits of beneficial microorganisms used in agricultural biologicals, making them more effective in pest and disease management. Furthermore, the rise in collaborations between major players and startups in the biotechnology sector is fostering the discovery of new microbial strains with unique capabilities for crop enhancement. These innovations collectively aim to further promote sustainable, efficient, and environmentally responsible agricultural practices.

The market research report has provided a comprehensive analysis of the competitive landscape in the market. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

Agri Life  
Agrinos Inc.  
Arysta LifeScience Corporation (UPL Limited)  
BASF SE  
Bayer AG  
Isagro (PI Industries)  
Marrone Bio Innovations Inc.  
Novozymes A/S  
Syngenta AG  
The Dow Chemical Company  
Valagro  
Valent U.S.A. LLC (Sumitomo Chemical Co. Ltd.)

#### Recent Developments:

In July 2023, BASF SE, in collaboration with Vivagro, a pioneering French agroecological solutions company, signed a distribution agreement for a groundbreaking product called Essen'ciel, designed for the Italian and Spanish agricultural markets. Essen'ciel, formulated from sweet orange essential oil, boasts a multifaceted role as a natural fungicide, pesticide, and acaricide. This innovative biostimulant product has gained regulatory approval for use in a wide array of organic applications, including vine grapes, vegetable crops, berries, ornamental crops, industrial crops, and arboriculture.

In January 2022, Syngenta Crop Protection AG acquired Bionema Limited's advanced



bioinsecticides, specifically NemaTrident and UniSpore. These cutting-edge biocontrol solutions represent a significant addition to Syngenta's arsenal, providing customers with supplementary and complementary technologies for the efficient and sustainable management of insect pests while addressing concerns related to pest resistance. In March 2021, Valagro, a global leader in the agricultural sector, announced the introduction of its innovative biostimulant product, Talete, into five key countries: Australia, China, Colombia, France, and Greece. This expansion of Talete's market presence underscores its global importance as a solution to address pressing agricultural challenges. Valagro's decision to expand Talete's reach highlights the growing recognition of biostimulants as essential components of modern agriculture, contributing to improved crop resilience and sustainable farming practices on a global scale.

### Key Questions Answered in This Report

1. What was the size of the global agricultural biologicals market in 2023?
2. What is the expected growth rate of the global agricultural biologicals market during 2024-2032?
3. What are the key factors driving the global agricultural biologicals market?
4. What has been the impact of COVID-19 on the global agricultural biologicals market?
5. What is the breakup of the global agricultural biologicals market based on the type?
6. What is the breakup of the global agricultural biologicals market based on the source?
7. What is the breakup of the global agricultural biologicals market based on the mode of application?
8. What is the breakup of the global agricultural biologicals market based on the application?
9. What are the key regions in the global agricultural biologicals market?
10. Who are the key companies/players in the global agricultural biologicals market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL AGRICULTURAL BIOLOGICALS MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY TYPE**

- 6.1 Biopesticides
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Biofertilizers
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 Biostimulants

- 6.3.1 Market Trends
- 6.3.2 Market Forecast

## **7 MARKET BREAKUP BY SOURCE**

- 7.1 Microbials
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Macrobiales
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 Biochemicals
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast
- 7.4 Others
  - 7.4.1 Market Trends
  - 7.4.2 Market Forecast

## **8 MARKET BREAKUP BY MODE OF APPLICATION**

- 8.1 Foliar Spray
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Soil Treatment
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Seed Treatment
  - 8.3.1 Market Trends
  - 8.3.2 Market Forecast
- 8.4 Post-harvest
  - 8.4.1 Market Trends
  - 8.4.2 Market Forecast

## **9 MARKET BREAKUP BY APPLICATION**

- 9.1 Cereals and Grains
  - 9.1.1 Market Trends
  - 9.1.2 Market Forecast
- 9.2 Oilseed and Pulses

- 9.2.1 Market Trends
- 9.2.2 Market Forecast
- 9.3 Fruits and Vegetables
  - 9.3.1 Market Trends
  - 9.3.2 Market Forecast
- 9.4 Turf and Ornamentals
  - 9.4.1 Market Trends
  - 9.4.2 Market Forecast
- 9.5 Others
  - 9.5.1 Market Trends
  - 9.5.2 Market Forecast

## **10 MARKET BREAKUP BY REGION**

- 10.1 North America
  - 10.1.1 United States
    - 10.1.1.1 Market Trends
    - 10.1.1.2 Market Forecast
  - 10.1.2 Canada
    - 10.1.2.1 Market Trends
    - 10.1.2.2 Market Forecast
- 10.2 Asia Pacific
  - 10.2.1 China
    - 10.2.1.1 Market Trends
    - 10.2.1.2 Market Forecast
  - 10.2.2 Japan
    - 10.2.2.1 Market Trends
    - 10.2.2.2 Market Forecast
  - 10.2.3 India
    - 10.2.3.1 Market Trends
    - 10.2.3.2 Market Forecast
  - 10.2.4 South Korea
    - 10.2.4.1 Market Trends
    - 10.2.4.2 Market Forecast
  - 10.2.5 Australia
    - 10.2.5.1 Market Trends
    - 10.2.5.2 Market Forecast
  - 10.2.6 Indonesia
    - 10.2.6.1 Market Trends

- 10.2.6.2 Market Forecast
- 10.2.7 Others
  - 10.2.7.1 Market Trends
  - 10.2.7.2 Market Forecast
- 10.3 Europe
  - 10.3.1 Germany
    - 10.3.1.1 Market Trends
    - 10.3.1.2 Market Forecast
  - 10.3.2 France
    - 10.3.2.1 Market Trends
    - 10.3.2.2 Market Forecast
  - 10.3.3 United Kingdom
    - 10.3.3.1 Market Trends
    - 10.3.3.2 Market Forecast
  - 10.3.4 Italy
    - 10.3.4.1 Market Trends
    - 10.3.4.2 Market Forecast
  - 10.3.5 Spain
    - 10.3.5.1 Market Trends
    - 10.3.5.2 Market Forecast
  - 10.3.6 Russia
    - 10.3.6.1 Market Trends
    - 10.3.6.2 Market Forecast
  - 10.3.7 Others
    - 10.3.7.1 Market Trends
    - 10.3.7.2 Market Forecast
- 10.4 Latin America
  - 10.4.1 Brazil
    - 10.4.1.1 Market Trends
    - 10.4.1.2 Market Forecast
  - 10.4.2 Mexico
    - 10.4.2.1 Market Trends
    - 10.4.2.2 Market Forecast
  - 10.4.3 Others
    - 10.4.3.1 Market Trends
    - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
  - 10.5.1 Market Trends
  - 10.5.2 Market Breakup by Country

### 10.5.3 Market Forecast

## **11 SWOT ANALYSIS**

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats

## **12 VALUE CHAIN ANALYSIS**

## **13 PORTERS FIVE FORCES ANALYSIS**

- 13.1 Overview
- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

## **14 PRICE ANALYSIS**

## **15 COMPETITIVE LANDSCAPE**

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
  - 15.3.1 Agri Life
    - 15.3.1.1 Company Overview
    - 15.3.1.2 Product Portfolio
  - 15.3.2 Agrinos Inc.
    - 15.3.2.1 Company Overview
    - 15.3.2.2 Product Portfolio
  - 15.3.3 Arysta LifeScience Corporation (UPL Limited)
    - 15.3.3.1 Company Overview
    - 15.3.3.2 Product Portfolio
  - 15.3.4 BASF SE
    - 15.3.4.1 Company Overview

- 15.3.4.2 Product Portfolio
- 15.3.4.3 Financials
- 15.3.4.4 SWOT Analysis
- 15.3.5 Bayer AG
  - 15.3.5.1 Company Overview
  - 15.3.5.2 Product Portfolio
  - 15.3.5.3 Financials
  - 15.3.5.4 SWOT Analysis
- 15.3.6 Isagro (PI Industries)
  - 15.3.6.1 Company Overview
  - 15.3.6.2 Product Portfolio
  - 15.3.6.3 Financials
- 15.3.7 Marrone Bio Innovations Inc.
  - 15.3.7.1 Company Overview
  - 15.3.7.2 Product Portfolio
  - 15.3.7.3 Financials
- 15.3.8 Novozymes A/S
  - 15.3.8.1 Company Overview
  - 15.3.8.2 Product Portfolio
  - 15.3.8.3 Financials
  - 15.3.8.4 SWOT Analysis
- 15.3.9 Syngenta AG
  - 15.3.9.1 Company Overview
  - 15.3.9.2 Product Portfolio
  - 15.3.9.3 SWOT Analysis
- 15.3.10 The Dow Chemical Company
  - 15.3.10.1 Company Overview
  - 15.3.10.2 Product Portfolio
- 15.3.11 Valagro
  - 15.3.11.1 Company Overview
  - 15.3.11.2 Product Portfolio
  - 15.3.11.3 Financials
- 15.3.12 Valent U.S.A. LLC (Sumitomo Chemical Co. Ltd.)
  - 15.3.12.1 Company Overview
  - 15.3.12.2 Product Portfolio



## List Of Tables

### LIST OF TABLES

Table 1: Global: Agricultural Biologicals Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Agricultural Biologicals Market Forecast: Breakup by Type (in Million US\$), 2024-2032

Table 3: Global: Agricultural Biologicals Market Forecast: Breakup by Source (in Million US\$), 2024-2032

Table 4: Global: Agricultural Biologicals Market Forecast: Breakup by Mode of Application (in Million US\$), 2024-2032

Table 5: Global: Agricultural Biologicals Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 6: Global: Agricultural Biologicals Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 7: Global: Agricultural Biologicals Market Structure

Table 8: Global: Agricultural Biologicals Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Agricultural Biologicals Market: Major Drivers and Challenges

Figure 2: Global: Agricultural Biologicals Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Agricultural Biologicals Market: Breakup by Type (in %), 2023

Figure 4: Global: Agricultural Biologicals Market: Breakup by Source (in %), 2023

Figure 5: Global: Agricultural Biologicals Market: Breakup by Mode of Application (in %), 2023

Figure 6: Global: Agricultural Biologicals Market: Breakup by Application (in %), 2023

Figure 7: Global: Agricultural Biologicals Market: Breakup by Region (in %), 2023

Figure 8: Global: Agricultural Biologicals Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 9: Global: Agricultural Biologicals (Biopesticides) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Agricultural Biologicals (Biopesticides) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Agricultural Biologicals (Biofertilizers) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Agricultural Biologicals (Biofertilizers) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Agricultural Biologicals (Biostimulants) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Agricultural Biologicals (Biostimulants) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Agricultural Biologicals (Microbials) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Agricultural Biologicals (Microbials) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Agricultural Biologicals (Macrobiotics) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Agricultural Biologicals (Macrobiotics) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Agricultural Biologicals (Biochemicals) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Agricultural Biologicals (Biochemicals) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Global: Agricultural Biologicals (Other Sources) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: Agricultural Biologicals (Other Sources) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: Agricultural Biologicals (Foliar Spray) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Agricultural Biologicals (Foliar Spray) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Agricultural Biologicals (Soil Treatment) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Agricultural Biologicals (Soil Treatment) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Global: Agricultural Biologicals (Seed Treatment) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Global: Agricultural Biologicals (Seed Treatment) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: Global: Agricultural Biologicals (Post-harvest) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: Global: Agricultural Biologicals (Post-harvest) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Global: Agricultural Biologicals (Cereals and Grains) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Global: Agricultural Biologicals (Cereals and Grains) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Global: Agricultural Biologicals (Oilseed and Pulses) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Global: Agricultural Biologicals (Oilseed and Pulses) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: Global: Agricultural Biologicals (Fruits and Vegetables) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: Global: Agricultural Biologicals (Fruits and Vegetables) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Global: Agricultural Biologicals (Turf and Ornamentals) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Global: Agricultural Biologicals (Turf and Ornamentals) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Global: Agricultural Biologicals (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Global: Agricultural Biologicals (Other Applications) Market Forecast: Sales

Value (in Million US\$), 2024-2032

Figure 41: North America: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: North America: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: United States: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: United States: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Canada: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Canada: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Asia Pacific: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Asia Pacific: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: China: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: China: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Japan: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Japan: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: India: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: India: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: South Korea: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: South Korea: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Australia: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Australia: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: Indonesia: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: Indonesia: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Others: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Others: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Europe: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Europe: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Germany: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Germany: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: France: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: France: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 69: United Kingdom: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: United Kingdom: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: Italy: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Italy: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: Spain: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: Spain: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 75: Russia: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 76: Russia: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 77: Others: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 78: Others: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 79: Latin America: Agricultural Biologicals Market: Sales Value (in Million US\$),

2018 & 2023

Figure 80: Latin America: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 81: Brazil: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 82: Brazil: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 83: Mexico: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 84: Mexico: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 85: Others: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 86: Others: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 87: Middle East and Africa: Agricultural Biologicals Market: Sales Value (in Million US\$), 2018 & 2023

Figure 88: Middle East and Africa: Agricultural Biologicals Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 89: Global: Agricultural Biologicals Industry: SWOT Analysis

Figure 90: Global: Agricultural Biologicals Industry: Value Chain Analysis

Figure 91: Global: Agricultural Biologicals Industry: Porter's Five Forces Analysis

## I would like to order

Product name: Agricultural Biologicals Market Report by Type (Biopesticides, Biofertilizers, Biostimulants), Source (Microbials, Macrobials, Biochemicals, and Others), Mode of Application (Foliar Spray, Soil Treatment, Seed Treatment, Post-harvest), Application (Cereals and Grains, Oilseed and Pulses, Fruits and Vegetables, Turf and Ornamentals, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/AA726BC3F4DBEN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AA726BC3F4DBEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>



To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970