

Biocontrol Market Outlook 2025-2034: Market Share, and Growth Analysis By Biopesticides (Bioinsecticides, Biofungicides, Bionematicides, Bioherbicides, Other Biopesticides), By Crop Type (Grains and Cereals, Oilseeds and Pulses, Fruits and Vegetables, Other Crop Types), By Mode Of Treatment

<https://marketpublishers.com/r/B6180F8F2320EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: B6180F8F2320EN

Abstracts

The Biocontrol Market is valued at USD 9.8 billion in 2025 and is projected to grow at a CAGR of 19.9% to reach USD 50.2 billion by 2034. The biocontrol market has emerged as a vital segment of the global agricultural and horticultural industries, offering sustainable and eco-friendly alternatives to traditional chemical pesticides. Biocontrol solutions include beneficial organisms, microbial agents, botanicals, and other natural products that target pests, pathogens, and weeds while preserving biodiversity and reducing environmental impact. As demand for organic and residue-free produce grows, farmers are increasingly adopting biocontrol methods to meet consumer expectations and regulatory requirements, paving the way for rapid market growth. Technological advancements and ongoing research have significantly expanded the range of biocontrol products available. Scientists are developing more effective strains of beneficial microbes, refining production techniques, and exploring novel application methods to improve efficacy and ease of use. The integration of biocontrol solutions with digital farming tools and precision agriculture practices has further enhanced their adoption, allowing farmers to monitor pest populations, optimize timing, and achieve consistent results. This synergy of biology and technology is reshaping pest management strategies and helping to reduce reliance on synthetic chemical inputs. Regionally, Europe has been at the forefront of the biocontrol market due to stringent pesticide regulations, government support for sustainable farming practices, and high consumer awareness of organic produce. North America also plays a significant role,

driven by a well-established organic food market, increasing concerns over pesticide resistance, and active involvement from research institutions. The Asia-Pacific region is emerging as a high-growth area, fueled by expanding agricultural production, rising adoption of integrated pest management (IPM) practices, and increasing awareness of environmental issues. With continued innovation and growing recognition of the benefits of biocontrol, the market is poised for sustained expansion, offering long-term solutions to global agricultural challenges.

Key Insights Biocontrol Market

Development of new microbial biocontrol agents and beneficial insects for more targeted pest and disease management.

Increased integration of biocontrol products with precision agriculture technologies for optimized application and monitoring.

Rising investment in research and development of biocontrol solutions for specialty crops and high-value produce.

Growing consumer demand for organic and chemical-free produce, driving adoption of sustainable pest management solutions.

Stricter regulations on synthetic chemical pesticides and growing resistance among pests, creating opportunities for biocontrol products.

Government and non-government initiatives promoting environmentally friendly agricultural practices and IPM strategies.

High production costs and limited shelf life of certain biocontrol agents compared to synthetic pesticides.

Challenges in scaling up production and distribution to meet growing demand across diverse agricultural regions.

Need for extensive field trials and data to demonstrate efficacy and gain regulatory approvals for new biocontrol products.

Biocontrol Market Segmentation

By Biopesticides

Bioinsecticides

Biofungicides

Bionematicides

Bioherbicides

Other Biopesticides

By Crop Type

Grains and Cereals

Oilseeds and Pulses

Fruits and Vegetables

Other Crop Types

By Mode Of Treatment

Soil Treatment

Seed Treatment

Foliar Spray

Post-harvest

Other Modes Of Treatment

Key Companies Analysed

BASF SE

Bayer AG

Corteva Agriscience

United Phosphorus Limited

Syngenta AG

Koppert Biological Systems BV

BrettYoung Seeds Limited

Certis USA LLC

Chr. Hansen Holding A/S

Marrone Bio Innovations Inc.

Symbiota Inc.

Precision Laboratories LLC

Verdesian Life Sciences LLC

Valent Biosciences LLC

Biobest Group NV

FMC Corporation

Shin-Etsu Chemical Co. Ltd.

Suterra LLC

Isagro S.PA

Russell IPM

Novozymes A/S

Bioworks Inc.

Andermatt Group AG

Sumitomo Chemical

Mitsui & Co. Ltd.

Nufarm Limited

BioConsortia Inc.

Agrauxine

Nippon Soda Co. Ltd.

Bion Tech Inc.

Phyllom BioProducts

Eagle Plant Protect Pvt. Ltd.

e-nema GmbH

Vestaron Corporation

Gowan Company

Cartotecnica CBC Srl.

Bioline AgroSciences Ltd.

Biocontrol Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping,

Biocontrol Market Outlook 2025-2034: Market Share, and Growth Analysis By Biopesticides (Bioinsecticides, Biof...

and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Biocontrol Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Biocontrol market data and outlook to 2034

United States

Canada

Mexico

Europe — Biocontrol market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Biocontrol market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Biocontrol market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Biocontrol market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Biocontrol value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Biocontrol industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Biocontrol Market Report

Global Biocontrol market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Biocontrol trade, costs, and supply chains

Biocontrol market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Biocontrol market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Biocontrol market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Biocontrol supply chain analysis

Biocontrol trade analysis, Biocontrol market price analysis, and Biocontrol supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Biocontrol market news and developments

Additional Support

With the purchase of this report, you will receive

Biocontrol Market Outlook 2025-2034: Market Share, and Growth Analysis By Biopesticides (Bioinsecticides, Biof...

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL BIOCONTROL MARKET SUMMARY, 2025

- 2.1 Biocontrol Industry Overview
 - 2.1.1 Global Biocontrol Market Revenues (In US\$ billion)
- 2.2 Biocontrol Market Scope
- 2.3 Research Methodology

3. BIOCONTROL MARKET INSIGHTS, 2024-2034

- 3.1 Biocontrol Market Drivers
- 3.2 Biocontrol Market Restraints
- 3.3 Biocontrol Market Opportunities
- 3.4 Biocontrol Market Challenges
- 3.5 Tariff Impact on Global Biocontrol Supply Chain Patterns

4. BIOCONTROL MARKET ANALYTICS

- 4.1 Biocontrol Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Biocontrol Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Biocontrol Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Biocontrol Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Biocontrol Market
 - 4.5.1 Biocontrol Industry Attractiveness Index, 2025
 - 4.5.2 Biocontrol Supplier Intelligence
 - 4.5.3 Biocontrol Buyer Intelligence
 - 4.5.4 Biocontrol Competition Intelligence
 - 4.5.5 Biocontrol Product Alternatives and Substitutes Intelligence
 - 4.5.6 Biocontrol Market Entry Intelligence

5. GLOBAL BIOCONTROL MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

- 5.1 World Biocontrol Market Size, Potential and Growth Outlook, 2024- 2034 (\$ billion)
- 5.1 Global Biocontrol Sales Outlook and CAGR Growth By Biopesticides, 2024- 2034 (\$ billion)
- 5.2 Global Biocontrol Sales Outlook and CAGR Growth By Crop Type, 2024- 2034 (\$ billion)
- 5.3 Global Biocontrol Sales Outlook and CAGR Growth By Mode Of Treatment, 2024- 2034 (\$ billion)
- 5.4 Global Biocontrol Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

6. ASIA PACIFIC BIOCONTROL INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

- 6.1 Asia Pacific Biocontrol Market Insights, 2025
- 6.2 Asia Pacific Biocontrol Market Revenue Forecast By Biopesticides, 2024- 2034 (USD billion)
- 6.3 Asia Pacific Biocontrol Market Revenue Forecast By Crop Type, 2024- 2034 (USD billion)
- 6.4 Asia Pacific Biocontrol Market Revenue Forecast By Mode Of Treatment, 2024- 2034 (USD billion)
- 6.5 Asia Pacific Biocontrol Market Revenue Forecast by Country, 2024- 2034 (USD billion)
 - 6.5.1 China Biocontrol Market Size, Opportunities, Growth 2024- 2034
 - 6.5.2 India Biocontrol Market Size, Opportunities, Growth 2024- 2034
 - 6.5.3 Japan Biocontrol Market Size, Opportunities, Growth 2024- 2034
 - 6.5.4 Australia Biocontrol Market Size, Opportunities, Growth 2024- 2034

7. EUROPE BIOCONTROL MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

- 7.1 Europe Biocontrol Market Key Findings, 2025
- 7.2 Europe Biocontrol Market Size and Percentage Breakdown By Biopesticides, 2024- 2034 (USD billion)
- 7.3 Europe Biocontrol Market Size and Percentage Breakdown By Crop Type, 2024- 2034 (USD billion)
- 7.4 Europe Biocontrol Market Size and Percentage Breakdown By Mode Of Treatment, 2024- 2034 (USD billion)
- 7.5 Europe Biocontrol Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

- 7.5.1 Germany Biocontrol Market Size, Trends, Growth Outlook to 2034
- 7.5.2 United Kingdom Biocontrol Market Size, Trends, Growth Outlook to 2034
- 7.5.2 France Biocontrol Market Size, Trends, Growth Outlook to 2034
- 7.5.2 Italy Biocontrol Market Size, Trends, Growth Outlook to 2034
- 7.5.2 Spain Biocontrol Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA BIOCONTROL MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

- 8.1 North America Snapshot, 2025
- 8.2 North America Biocontrol Market Analysis and Outlook By Biopesticides, 2024-2034 (\$ billion)
- 8.3 North America Biocontrol Market Analysis and Outlook By Crop Type, 2024- 2034 (\$ billion)
- 8.4 North America Biocontrol Market Analysis and Outlook By Mode Of Treatment, 2024- 2034 (\$ billion)
- 8.5 North America Biocontrol Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)
 - 8.5.1 United States Biocontrol Market Size, Share, Growth Trends and Forecast, 2024-2034
 - 8.5.1 Canada Biocontrol Market Size, Share, Growth Trends and Forecast, 2024- 2034
 - 8.5.1 Mexico Biocontrol Market Size, Share, Growth Trends and Forecast, 2024- 2034

9. SOUTH AND CENTRAL AMERICA BIOCONTROL MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

- 9.1 Latin America Biocontrol Market Data, 2025
- 9.2 Latin America Biocontrol Market Future By Biopesticides, 2024- 2034 (\$ billion)
- 9.3 Latin America Biocontrol Market Future By Crop Type, 2024- 2034 (\$ billion)
- 9.4 Latin America Biocontrol Market Future By Mode Of Treatment, 2024- 2034 (\$ billion)
- 9.5 Latin America Biocontrol Market Future by Country, 2024- 2034 (\$ billion)
 - 9.5.1 Brazil Biocontrol Market Size, Share and Opportunities to 2034
 - 9.5.2 Argentina Biocontrol Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA BIOCONTROL MARKET OUTLOOK AND GROWTH PROSPECTS

- 10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Biocontrol Market Statistics By Biopesticides, 2024- 2034 (USD billion)

10.3 Middle East Africa Biocontrol Market Statistics By Crop Type, 2024- 2034 (USD billion)

10.4 Middle East Africa Biocontrol Market Statistics By Mode Of Treatment, 2024- 2034 (USD billion)

10.5 Middle East Africa Biocontrol Market Statistics by Country, 2024- 2034 (USD billion)

10.5.1 Middle East Biocontrol Market Value, Trends, Growth Forecasts to 2034

10.5.2 Africa Biocontrol Market Value, Trends, Growth Forecasts to 2034

11. BIOCONTROL MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

11.1 Key Companies in Biocontrol Industry

11.2 Biocontrol Business Overview

11.3 Biocontrol Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

12 APPENDIX

12.1 Global Biocontrol Market Volume (Tons)

12.1 Global Biocontrol Trade and Price Analysis

12.2 Biocontrol Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Biocontrol Industry Report Sources and Methodology

I would like to order

Product name: Biocontrol Market Outlook 2025-2034: Market Share, and Growth Analysis By Biopesticides (Bioinsecticides, Biofungicides, Bionematicides, Bioherbicides, Other Biopesticides), By Crop Type (Grains and Cereals, Oilseeds and Pulses, Fruits and Vegetables, Other Crop Types), By Mode Of Treatment

Product link: <https://marketpublishers.com/r/B6180F8F2320EN.html>

Price: US\$ 3,950.00 (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/B6180F8F2320EN.html>