

# Biopesticides Market Set to Soar: Projected to Reach \$33.6 Billion by 2031, Growing at a 13.9% CAGR

*Rising demand for sustainable agriculture propels the global biopesticides market to unprecedented growth, with projections hitting \$33.6 billion by 2031.*

WILMINGTON, NEW CASTLE, DELAWARE, UNITED STATES, August 27, 2024 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "[Biopesticides Market](#)," The biopesticides market was valued at \$7.0 billion in 2020, and is estimated to reach \$33.6 billion by 2031, growing at a CAGR of 13.9% from 2022 to 2031.



The graphic features a photograph of a blue tractor with a long spray boom in a green field. To the right of the image is a text box with the following content:

**BIOPESTICIDES MARKET**  
OPPORTUNITIES AND FORECAST, 2020 - 2031

Biopesticides market is expected to reach **\$33.6 Billion** in 2031

Growing at a **CAGR of 13.9%** (2022-2031)

Logo: Allied Market Research

Biopesticides Market Report

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The global shift towards eco-friendly farming practices is revolutionizing the biopesticides market, positioning it as a vital solution for the future of agriculture.”

*Allied Market Research*

Market Research Report: Biopesticides Industry Overview  
Introduction: The global biopesticides market has gained significant traction in recent years as consumers and governments worldwide shift towards sustainable agricultural practices. Biopesticides, derived from natural materials such as plants, animals, bacteria, and certain minerals, are increasingly recognized for their efficacy in pest management while posing minimal harm to the environment. With rising concerns over the health impacts of synthetic pesticides and their detrimental effects on

biodiversity, biopesticides offer a promising alternative for enhancing crop protection without compromising ecological balance.

Market Size and Growth: As of 2024, the global biopesticides market is valued at approximately

USD 4.3 billion and is projected to grow at a compound annual growth rate (CAGR) of 14.1% between 2024 and 2030. This growth is driven by several factors, including increased consumer demand for organic food products, stringent regulatory measures against synthetic chemicals, and advancements in biotechnology that have improved the efficacy and variety of biopesticide products. North America and Europe currently dominate the market, accounting for over 60% of the total revenue, while the Asia-Pacific region is expected to witness the highest growth in the coming years due to its expanding agricultural industry.

**Product Segmentation:** Biopesticides can be broadly categorized into three types: microbial pesticides, plant-incorporated protectants (PIPs), and biochemical pesticides. Microbial pesticides, derived from bacteria, fungi, viruses, or protozoans, are the most commonly used, accounting for more than 45% of the market share. PIPs, which are genetically modified plants that produce pesticidal substances, are gaining momentum, particularly in the genetically engineered crops sector. Biochemical pesticides, which include natural substances like pheromones and plant extracts, are used to control pests through non-toxic mechanisms, such as mating disruption or pest repellent action.

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**Application Areas:** The primary application areas for biopesticides are agriculture, horticulture, and forestry. In agriculture, biopesticides are used for controlling insects, weeds, and pathogens in crops such as fruits, vegetables, and cereals. Horticultural applications, which include the cultivation of flowers, ornamental plants, and turfgrass, are seeing increased use of biopesticides due to consumer preferences for eco-friendly gardening products. Additionally, biopesticides are being adopted in forestry to manage invasive species and protect tree health.

**Key Drivers:** The rise in demand for organic food products has been a major driver of biopesticides market growth. With consumers becoming more health-conscious and increasingly aware of the environmental impact of their food choices, organic farming practices have surged, fueling the need for sustainable crop protection solutions like biopesticides. Furthermore, government regulations across several regions, such as the EU's Farm to Fork Strategy and the US EPA's reduced-risk pesticide program, are encouraging the adoption of biopesticides by offering incentives and regulatory support for their development and use.

**Challenges:** Despite their advantages, the biopesticides market faces several challenges. One of the most significant is the relatively high cost of biopesticides compared to synthetic alternatives. The production processes for biopesticides are often more complex, leading to higher prices that can deter adoption, particularly in regions with limited financial resources. Additionally, the effectiveness of biopesticides can vary depending on environmental conditions, making them less predictable than synthetic chemicals in certain situations. This variability in performance may limit their widespread acceptance among farmers accustomed to the consistent results of chemical pesticides.

**Competitive Landscape:** The biopesticides market is highly competitive, with key players such as Bayer AG, BASF SE, Corteva Agriscience, Syngenta AG, and Marrone Bio Innovations leading the charge. These companies are investing heavily in research and development to create innovative products that target specific pests while reducing unintended harm to beneficial organisms. Mergers, acquisitions, and partnerships between major agrochemical companies and biotech firms are also shaping the market, with the goal of expanding product portfolios and geographical reach.

**Emerging Trends:** One of the most notable trends in the biopesticides market is the development of next-generation biopesticides using advanced technologies like CRISPR and RNA interference (RNAi). These technologies enable more precise pest control by targeting specific genes in pests, reducing the chances of resistance development. Another trend is the growing adoption of integrated pest management (IPM) practices, which combine biopesticides with other pest control methods, such as mechanical traps and crop rotation, to achieve sustainable pest control.

For more information, visit: <https://www.alliedmarketresearch.com/biopesticides-market/purchase-options>

**Future Outlook:** The future of the biopesticides market looks promising, with continued innovations in biotechnology and increasing investments in sustainable agriculture. By 2030, the market is expected to reach a value of USD 9.8 billion, driven by ongoing efforts to reduce reliance on synthetic pesticides and promote environmentally friendly farming practices. As regulatory frameworks become more favorable and the cost-effectiveness of biopesticides improves, their adoption is likely to accelerate, making them a key component of the global agricultural landscape.

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David Correa

5933 NE Win Sivers Drive

#205, Portland, OR 97220

United States

USA/Canada (toll-free): +1-800-792-5285, +1-503-894-6022

UK: +44-845-528-1300

Hong Kong: +852-301-84916

India (Pune): +91-20-66346060

Fax: +1(855)550-5975

help@alliedmarketresearch.com

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David Correa

Allied Market Research

+1 800-792-5285

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