

## **North America Biopesticides Market Size Analysis Report - Market Share, Forecast Trends and Outlook (2025-2034)**

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### **Report description:**

The North America biopesticides market reached around USD 1.75 Billion in 2024. The market is projected to grow at a CAGR of 9.40% between 2025 and 2034 to reach nearly USD 4.30 Billion by 2034.

#### North America Biopesticides Market Growth

In 2020, the Americas recorded the highest importation of pesticides from various global regions, totalling 1.1 million tonnes with a monetary value of USD 6.9 million. The United States emerged as the foremost consumer of pesticides that year, utilising 408 kilotonnes for agricultural purposes.

The increasing adoption of biopesticides is largely attributed to the rising demands for crop production and the heightened interest in organic and sustainable products. Biopesticides provide effective pest management solutions that are compatible with organic farming practices and sustainability objectives. As agricultural activities grow and consumers increasingly prefer environmentally friendly options, biopesticides are becoming essential for enhancing yields and satisfying market requirements.

In the United States, the regulation of biopesticides is primarily overseen by three federal agencies, including the Food and Drug Administration (FDA), the Animal and Plant Health Inspection Service (USDAAPHIS), and the Environmental Protection Agency (EPA). The USDAAPHIS is responsible for facilitating the availability of biopesticides for both field and laboratory testing. If these studies indicate no significant adverse effects on the environment or human health, the EPA promotes their use based on these findings. Furthermore, the EPA authorises the marketing of pesticides in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and ensures safety regarding pesticide residues in food and feed under the Federal Food, Drug, and Cosmetic Act (FFDCA). Additionally, the FDA assesses these biopesticides to determine any potential risks they may pose to food, feed, or animal health.

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## Key Trends and Developments

Rising government support to adopt biopesticides, growing consumer demand for organic products, rising environmental consciousness, and the adoption of advanced technologies to increase biopesticides' effectiveness are favouring the North America biopesticides market growth

### May 2022

UPL, recognised as a global frontrunner in sustainable agricultural solutions, entered into a strategic partnership with AgBiTech, a leading innovator in agricultural biologicals aimed at fostering healthy food systems. This collaboration aimed to introduce a variety of sustainable biosolutions for crops in Arizona, California, and Hawaii.

### January 2023

Sumitomo Chemical, a prominent Japanese chemical corporation, announced its decision to acquire FBSciences Holdings, Inc. ("FBS"), a U.S.-based firm specialising in biostimulants, which are a category of naturally-derived agricultural products and biorationals. This collaboration was intended to boost the biorationals sector of the company.

### December 2023

The United States Environmental Protection Agency (EPA) approved the world's inaugural sprayable dsRNA biopesticide, which features the novel active ingredient Ledprona, developed by Greenlight Biosciences. Ledprona targets the Colorado potato beetle (CPB), one of the major pests for potato crops grown across the United States, including Washington, Colorado, North Dakota, and Wisconsin, among others.

### January 2024

Sipcam Agro USA, Inc., a subsidiary of the Sipcam Oxon Group, introduced Mevalone in California. This innovative biofungicide provides grape growers with an effective solution for managing bunch rot and powdery mildew in wine, table, and raisin grapes.

## Rising Government Support Promoting Biopesticides

Regulatory frameworks in North America, particularly those established by the Environmental Protection Agency (EPA), are progressively promoting the use of biopesticides due to their lower environmental footprint. This endorsement from regulatory bodies motivates farmers to incorporate biopesticides into their practices, thereby supporting sustainable agriculture and decreasing dependence on synthetic chemical alternatives.

## Growing Consumer Demand for Organic Products

The increasing consumer inclination towards organic and sustainably sourced food is propelling the demand for biopesticides. As individuals pursue healthier and more environmentally conscious choices, farmers are adopting biopesticides to align with these demands and adhere to organic certification requirements.

## Rising Environmental Concerns

The growing recognition of environmental challenges and the detrimental impact of chemical pesticides on ecosystems are driving a transition towards biopesticides. Biopesticide alternatives are viewed as safer options that minimise harm to non-target species

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and enhance biodiversity.

#### Adoption of Advanced Technologies

Advances in biotechnology significantly improve the performance and utilisation of biopesticides. Enhanced formulations and innovative delivery mechanisms increase their effectiveness against pests, rendering them a more practical alternative to conventional chemical pesticides.

#### North America Biopesticides Market Trends

Regulatory frameworks in North America are progressively supporting the use of biopesticides, attributed to their reduced environmental footprint. Organisations such as the EPA establish guidelines and approval processes that enhance the accessibility of biopesticides, thereby promoting their integration into agricultural practices and fostering alignment with sustainability objectives. Additionally, the increasing consumer inclination towards organic and environmentally friendly products is propelling the demand for biopesticides. Farmers are actively pursuing these alternatives to satisfy market demands for sustainable and chemical-free food, thereby contributing to the expansion of the market.

#### North America Biopesticides Industry Segmentation

North America Biopesticides Market Report and Forecast 2025-2034 offers a detailed analysis of the market based on the following segments:

##### Market Breakup by Type:

- Biofungicides
- Bioherbicides
- Bioinsecticides
- Others

##### Market Breakup by Crop Type:

- Fruits and Vegetables
- Grains and Cereals
- Pulses and Oilseeds
- Others

##### Market Breakup by Country:

- United States of America
- Canada

#### North America Biopesticides Market Share

Based on the region, the market is segmented into the United States of America and Canada. Canada is projected to grow at a CAGR of 9.7% during the forecast period of 2025-2034 amid the rising demand for environmentally-friendly crop protection solutions.

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## Leading Companies in the North America Biopesticides Market

Major players are focusing on the production of more efficient and sustainable biopesticides to gain a competitive edge in the market.

### Andermatt Group AG

Established in 1988, Andermatt is a Swiss corporate group that focuses on creating biological solutions utilising microorganisms for the management of insect pests and diseases, as well as for biostimulation purposes.

### Indogulf Company

Indogulf Company, established in 1993 and based in Delhi, India, is a prominent international agrochemical brand that has secured a significant presence in the Asian and Middle Eastern markets. The company is dedicated to assisting farmers in their endeavours while promoting sustainable, healthy, and nutritious food production.

### UPL Limited

UPL Limited, established in 1969, is a multinational corporation based in India that specialises in the production and marketing of agrochemicals, industrial chemicals, chemical intermediates, speciality chemicals, and pesticides.

### Certis USA L.L.C

Certis USA L.L.C, based in Maryland, the United States, is recognised as a leader in the innovation of biological pesticides. With its history dating back to 1996, the company has positioned itself among the foremost manufacturers and distributors of biopesticides globally.

Other market players include BASF SE, Corteva Agriscience, FMC Corp., Valent BioSciences LLC, Lallemand Inc., and Bioworks Inc., among others.

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