

## **North America Biocontrol Agents - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2017 - 2029**

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### **Report description:**

The North America Biocontrol Agents Market size is estimated at USD 136.62 million in 2024, and is expected to reach USD 202.29 million by 2029, growing at a CAGR of 8.17% during the forecast period (2024-2029).

#### Key Highlights

- Microbials is the Largest Form : Bacteria, fungi, viruses, and protozoans are some of the microbials used in North America. Fungal biocontrol agents dominated microbials market with a share of 62.8% in 2022.
- Microbials is the Fastest-growing Form : Bacteria, fungi, viruses, and protozoans are some of the microbials used in North America. Fungal biocontrol agents dominated microbials market with a share of 62.8% in 2022.
- Row Crops is the Largest Crop Type : The dominance of row crops in biocontrol market is mostly due to their extensive organic cultivation area, which in 2022 accounted for 95.0% of all organic area in the region.
- Mexico is the Largest Country : Macrobiales dominated the Mexico biocontrol agents market. In that predators account for 95.8% of market share followed by entomopathogenic nematodes with 3.5% in 2022.

#### North America Biocontrol Agents Market Trends

##### Microbials is the largest Form

- Biological control is a pest management strategy based on the reduction of pest populations by natural enemies or biological control agents. Predators, parasites, bacterial biocontrol agents, fungal biocontrol agents, and entomopathogenic nematodes are

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the primary biocontrol agents used in crop protection.

- The microbial segment dominated the North American biocontrol agents market in 2022. The fungal biocontrol agents sub-segment dominated and accounted for a 59.71% share of the microbial segment of the North American biocontrol agents market by value in 2022. The dominance of the fungal sub-segment in the biocontrol agents market is mainly because fungal biocontrol agents do not harm the environment with their intricate mode of action and, in most cases, do not lead to the development of resistance in insects, pests, and pathogens.
- The microbial segment is projected to grow at a faster rate due to the increasing use of microbials in various applications, such as seed treatment, on-field, and post-harvest applications.
- The macrobials segment was valued at USD 54.5 million and accounted for 45.8% of the North American biocontrol agents market in 2022. Predators dominated the macrobials segment and accounted for a 97.8% share of the segment by value in 2022. The dominance of the predators' sub-segment in the North American biocontrol agents market is mainly due to their ability to attack different life stages of pests and even different pest species. They are also voracious feeders compared to other biocontrol agents.
- The North American biocontrol agents market is expected to grow over the coming years due to numerous research efforts to improve efficacy and make interactions safer for commercial crops and the environment.

Mexico is the largest Country

- The North American biocontrol agents market is dominated by the United States, which accounted for 28.7% of the market value in 2022. This dominance is mainly due to the abundance of arable land in the country. Within the United States, microbials are the most popular type of biocontrol agent, accounting for an 89.1% share by value, with fungal biocontrol agents dominating the US market.
- Canada held the second-largest share of the North American biocontrol agents market, accounting for a 19.1% share by value in 2022. The demand for biological control products in Canada is driven by organic agriculture, changes to pesticide laws, and the promotion of lower-risk pest control products. The high cost of pesticides also led to an increase in the usage of biological control products.
- Mexico accounts for the largest share of the North American biocontrol agents market, with a 50.0% share by value and 27.7% by volume in 2022. The country has formalized the role of biological control at the federal and state government levels, and the National Reference Center for Biological Control serves as an international reference center.
- The North American biocontrol agents market is primarily dominated by the United States, with microbial biocontrol agents being the most popular type segment. Canada and Mexico are also significant players in the North American market, with their respective demand drivers and government initiatives. Despite the market's potential for growth, challenges such as the product's shelf life and lack of awareness among farmers may impede progress.

#### North America Biocontrol Agents Industry Overview

The North America Biocontrol Agents Market is fragmented, with the top five companies occupying 15.38%. The major players in this market are Applied Bio-nomics Ltd, Arizona Biological Control Inc., Biobee Ltd, Bioline AgroSciences Ltd and Koppert Biological Systems Inc. (sorted alphabetically).

#### Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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