

North America Biopesticides - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2017 - 2029

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Report description:

The North America Biopesticides Market size is estimated at USD 2.39 billion in 2024, and is expected to reach USD 4.32 billion by 2029, growing at a CAGR of 12.57% during the forecast period (2024-2029).

Key Highlights

- Biofungicides is the Largest Form : Bio fungicides are substances applied to plants to prevent diseases caused by pathogenic fungi. The market for these bio fungicides is valued at USD 1.06 billion in 2022.
- Bioinsecticides is the Fastest-growing Form : Bioinsecticides are biologically derived pesticides that use fungi, bacteria, or even plant extracts to combat pest insects that disrupt crop growth and development.
- Row Crops is the Largest Crop Type : Bio fungicides are the most consumed type in row crop cultivation with a percentage value share of 46.7% in the year 2022, followed by bioinsecticides with 29.7%.
- United States is the Largest Country : The United States leads the North American biopesticides market, due to its large organic crop area, which accounts for 39.5% of the region's total organic crop area in 2022.

North America Biopesticides Market Trends

Biofungicides is the largest Form

- Biofungicides are substances applied to plants to prevent diseases caused by pathogenic fungi. Biofungicides may be of microbial or botanical origin. In North America, the market for these biofungicides was valued at USD 796.5 million in 2022,

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making them the most popular biopesticide type, with a 46.7% market share in the same year. Microbial species like *Bacillus*, *Trichoderma*, and *Pseudomonas* are the most available biofungicides in the market.

- The market for bioinsecticides in North America was valued at USD 565 million in 2022, with a share of 29.6%, making it the second most consumed biopesticide. Furthermore, the field crops with the largest area under organic agriculture accounted for 73.5% of bioinsecticide usage in 2022. Horticulture and cash crops followed with 21.4% and 5%, respectively, in the same year.
- Other biopesticides include products like nematicides, rodenticides, acaricides, and molluscicides of biological origin. These biological pesticides accounted for a share of 16.08% in 2022, occupying the third place after biofungicides and bioinsecticides.
- The market for biological herbicides was valued at USD 144.4 million in 2022, with a volume consumption of 9.9 thousand metric tons in the same year. Bioherbicides are microbes, plant extracts, or other phytotoxins used to manage weeds that compete with crops for growth by reducing weed growth or germinating weed seeds.
- The increasing awareness about the overuse of pesticides among farmers and the government initiatives to support sustainable agricultural practices and organic farming resulted in an increasing demand for biopesticides. Therefore, the market for biopesticides is anticipated to increase during the forecast period.

United States is the largest Country

- The North American biopesticides market is largely dominated by the United States, which accounted for 68.9% of the market value in 2022. This growth can be attributed to the country's vast organic cultivation area, which makes up 39.5% of the total organic crop area in the region. Row crops also play a significant role, which made up 50.5% of the market value in 2022.
- Canada was the second-largest biopesticides market in the region, with a market share of 23.7% in 2022. The country's organic crop farming area has been expanding, which grew from 400.0 thousand ha in 2017 to 450.0 thousand ha in 2022. This trend is expected to continue, driving growth in the agricultural plant biopesticides market.
- Mexico has the second-largest organic agricultural area in North America, with an overall organic crop area of 0.54 million ha in 2022, which is expected to increase to 0.61 million ha by 2029. This growth in organic crop areas is a key demand driver for biopesticides.
- The Rest of North America accounted for less than 1.15% of biopesticide consumption in 2022. However, the market grew by 2.9% during the historical period. It is projected to register a CAGR of 9.2% during the forecast period (2023-2029).
- The North American biopesticides market is expected to grow faster in the United States than in other North American countries due to increased knowledge of sustainability among farmers and government measures promoting organic farming. The rising demand for organic products and sustainable agriculture practices may also drive growth in the biopesticides market in the coming years.

North America Biopesticides Industry Overview

The North America Biopesticides Market is fragmented, with the top five companies occupying 6.36%. The major players in this market are Bioworks Inc., Certis U.S.A. LLC, Corteva Agriscience, Marrone Bio Innovations Inc. and Valent Biosciences LLC (sorted alphabetically).

Additional Benefits:

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

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