

Biopesticides Market Growth Analysis Report 2025-2034

Market Report | 2025-08-12 | 176 pages | EMR Inc.

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Report description:

The global biopesticides market approximated a value of about USD 4.45 Billion in 2024 . The industry is further expected to grow at a CAGR of about 8.20% in the forecast period of 2025-2034 to reach a value of around USD 9.79 Billion by 2034 .

North America Outranks Other Regions in the Biopesticides Market

North America's share in the global biopesticides market has been seen to be the highest amongst all other regions in the historical period 2018-2024. This can be credited to the strict laws on the usage of pesticides, the subsequent pollution, and the rising awareness regarding sustainable agriculture. Furthermore, most of the major biopesticide companies are based in North America and with growing governmental regulations on synthetic pesticides, the market for biopesticides is only expected to grow in the coming years. In Asia Pacific too, the overall usage of biopesticides is expected to grow because of the need for sustainable agriculture as well as to curb the ill-effects of pesticides in regions which already face a dire pollution issue. Despite supply chains being cut-off due to the pandemic, the possibility of the biopesticides market growing is high.

Biopesticides: Industry, Definition and Segmentation

Biopesticides, or biological pesticides, are a form of pesticides whose components are majorly derived from biological entities such as animals, plants, fungi, insects, etc. These are a viable alternative to conventional pesticides because of their cost-effectivity and zero-to-no pollution properties. Prior to the Industrial Revolution, biopesticides have been traditionally used across all regions to improve crop yields and protect crop yields from animals, diseases, fungi, or insects.

The biopesticides market can be divided on the basis of source:

- Microbials
- Biochemicals
- Beneficial Insects

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It can be differentiated on the basis of type:

- Bioinsecticides
- Biofungicides
- Bioherbicides
- Bionematicides
- Others

The market can be divided on the basis of formulation:

- Liquid
- Dry

It may be segmented by mode of action:

- Foliar Application
- Seed Treatment
- Soil Treatment
- Post-Harvest

It may be divided by crop type as follows:

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

Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Technological Advancements Bolstering the Market Growth

Biological pesticides have been instrumental to maintaining sustainability in agriculture. As the demand for organic food and the total area under organic cultivation, the demand for biopesticides will also increase significantly. With countries across the world encouraging safe and sustainable farming practices as well as farmers realising the long-term effects of synthetic fertilisers, the shift to biopesticides will be wide-ranging. During the Corona pandemic, supply chains across the world, especially international ones, were disrupted and countries which depended on raw materials for synthetic fertilisers had to look for alternatives which were locally available, which can come in the form of biopesticides, since these are relatively cost-effective and usually, locally available. Research into microbiology and agricultural sciences will further strengthen the market for biopesticides.

Key Industry Players in the Global Biopesticides Market

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The report gives a detailed analysis of the following key players in the global biopesticides market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Bayer AG
- Certis USA L.L.C.
- Marrone Bio Innovations Inc.
- Andermatt Biocontrol AG
- BASF SE
- Syngenta Crop Protection AG
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

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