

Biological Control Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The biological control market is projected to register a CAGR of 14.7% during the forecast period (2022-2027).

The COVID-19 pandemic has had a negative impact on the biological control market. The global lockdowns and restrictions on travel have decreased the accessibility and availability of biological control agents in the market. The production efficiency is constricted due to shortage of labor, scarce availability of raw materials, and slow or lack of transportation. The increasing area under organic cultivation, less stringent regulations, and increasing need for food security are the few major market drivers that are boosting the sale of biologicals. However, the lower shelf life of the product and low awareness among the farmers are likely to restrain the market growth. Microbials hold the largest share in the market, accounting for around 65.0% in 2019. Microbials are 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. Owing to the faster adoption rate of biological controls by North American and European farmers, both regions act as the major markets for biological controls. The global biological control market is expected to be a fragmented one during the forecast period due to the easy product registration and low capital investment, making it easy for new entrants to enter the market.

Biological Control Market Trends

Increasing Organic Farming

Organic farming represents a unique, fast-growing segment of the food industry. Various factors alternately drive and inhibit the growth of biopesticides. The area under organic farming is rapidly growing across the world. According to FiBL statistics, the area under organic cultivation across the world was 69.1 million hectares in 2017, which increased by 8.4% and reached 74.9 million

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hectares in 2020. Being less harmful than synthetic pesticides, microbial pesticides typically affect only the target pest and other organisms closely related to it, as against broad-spectrum conventional pesticides, which can be harmful to other organisms, such as birds, insects, and mammals. Ease of handling attributes like low-to-no re-entry intervals and post-harvest intervals also drive the adoption of biopesticides, mainly by serving as a stark alternative to existing synthetic options and restrictions over their usage. Similarly, innovations in the area of biological control products, coupled with a growing consumer awareness about the negative impact of synthetic pesticides, are expected to boost the adoption rate of biological controls in the near future.

North America Dominates the Biological Control Market

North America dominated the market in the base year 2021. In North America, the United States holds the largest market, with around half of the North American market, owing to the plenty of available arable lands. Rising concerns over organic labeled products and awareness of microbial pesticides efficiency have driven the market in North America. The United States, with its highly evolved agricultural sector, has been adapting to the natural and organic way of farming lately. Therefore, biological control product consumption is a growing trend there. The increasing cost of chemical inputs, their adverse effect on soil mass and the environment, and the increasing awareness regarding balanced plant nutrition are the major factors driving the market demand in the country. The demand for biological control products in Canada is largely driven by conventional agriculture, recent changes to municipal and provincial laws governing the cosmetic use of pesticides, and legislation and ensuing promotion for lower-risk pest control products. The rise in the cost of pesticides also has, in turn, led to the high usage of biological control products.

Biological Control Market Competitor Analysis

The biological control market is a fragmented market with the presence of various small and regional players operating in the market. In terms of market share dominance, Certis accounted for a substantial market share, followed by BASF and Sumitomo Corporation, which have the second and third-largest market shares, respectively. The greater market share of these players can be attributed to a highly diversified product portfolio. The major players are focusing on mergers and acquisitions to acquire a large market share during the forecast period.

Additional Benefits:

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

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