

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

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Report description:

The India Biopesticides Market size is estimated at USD 217.97 million in 2024, and is expected to reach USD 347.53 million by 2029, growing at a CAGR of 9.78% during the forecast period (2024-2029).

Key Highlights

- Bioherbicides is the Largest Form : Bioherbicides consist of microorganisms such as pathogens that act as natural weedicides. Row crops dominated the bioherbicides market with a volume share of 88.5% in 2022.
- Bioinsecticides is the Fastest-growing Form : Bacillus thuringiensis and Beauveria bassiana are most commonly used Bioinsecticides in India. Row crops dominated the bioinsecticides segment with a share of 88.4% in 2022.
- Row Crops is the Largest Crop Type : Bioinsecticides are majorly consumed in row crops in India. The dominance of row crops is due to their large organic cultivation area which is about 59.8% in the year 2022.
- Row Crops is the Fastest-growing Crop Type : Bioinsecticides are majorly consumed in row crops in India. The dominance of row crops is due to their large organic cultivation area which is about 59.8% in the year 2022.

India Biopesticides Market Trends

Bioherbicides is the largest Form

- The increased public concerns about the probable adverse environmental effects associated with the use of synthetic plant protection products prompt the search for technologies and products based on biological processes to control pests.

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- Out of 227 types of biopesticides, only 15 are pesticides registered in India. Neem-based pesticides, Bacillus thuringiensis, Nuclear Polyhedrosis virus, and Trichoderma are some of the major biopesticides produced and used in India.
- Biopesticides fall under the Insecticide Act (1968). Central Insecticides Board (CIB) and the Registration Committee (RC) are two "high-powered" bodies under this Act. CIB is the apex advisory. It comprises eminent scientists of all disciplines/fields concerned. The RC grants registrations to import or manufacture insecticides after scrutinizing the formulae and verifying claims of bio-efficacy and safety to human beings and animals.
- In India, several government agencies, such as the Ministry of Agriculture and Farmers Welfare, the Department of Biotechnology (DBT), and the Ministry of Science and Technology, have been promoting the research, development, and commercialization of biopesticides.
- The average consumption of pesticides in India is about 570 gm per ha. as compared to developed countries, like Japan, Thailand, and Germany, where the consumption rate is 11 kg, 17 kg, and 3 kg per ha, respectively. Though the average quantum of pesticide usage in India is low, the damage caused due to their indiscriminate usage and poor quality maintenance is alarming. In terms of value, much of the pesticide application is accounted for by a few crops. For example, cotton, paddy and vegetable crops account for 80% of the value of pesticides applied in India.

India Biopesticides Industry Overview

The India Biopesticides Market is fragmented, with the top five companies occupying 9.83%. The major players in this market are Coromandel International Ltd, GrowTech Agri Science Private Limited, Gujarat State Fertilizers & Chemicals Ltd, IPL Biologicals Limited and T.Stanes and Company Limited (sorted alphabetically).

Additional Benefits:

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

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