

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

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Report description:

The India Biocontrol Agents Market size is estimated at USD 1.95 billion in 2024, and is expected to reach USD 2.57 billion by 2029, growing at a CAGR of 5.68% during the forecast period (2024-2029).

Key Highlights

- Macrobiais is the Largest Form : Predators are the most used macrobial biocontrol agents in India, with the largest market share which is due to their easy availability and faster reproductive capacity,
- Macrobiais is the Fastest-growing Form : Macrobial biocontrol agents are used to controlling target pests with no harm to the environment, and plants and so their usage in agriculture is growing rapidly.
- Row Crops is the Largest Crop Type : The major row crops produced in the country include rice, wheat, pulses, millet, and maize. Row crops account for maximum area under cultivation of organic crops in India
- Row Crops is the Fastest-growing Crop Type : The usage of biocontrol agents in row crops has tremendous scope and importance as there is high need for sustainable crop production and food security in the country.

India Biocontrol Agents Market Trends

Macrobiais is the largest Form

- Microbial biocontrol agents, such as bacterial and fungal biocontrol agents, are widely used in agriculture to manage pests and diseases. These microorganisms can be easily reproduced in laboratories for commercial use and offer a convenient application

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process, which contributes to their potential growth in the Indian biocontrol agents market. However, the market share of microbial biocontrol agents was less than 1.0% in 2022.

- Fungal biocontrol agents, such as *Beauveria bassiana* and *Trichoderma viride*, are widely used in agriculture for controlling pests and diseases. *B. bassiana* has been shown to effectively combat a range of pests, while *T. viride* is known to neutralize various plant diseases by rendering the harmful fungi inactive. Studies have revealed that the application of *B. bassiana* results in a significant increase in the mortality of harmful insects and a decrease in their progeny count. These fungi are among the most commercially utilized fungal biocontrol agents available.

- Predators are the most used macrobial biocontrol agents in India and have the largest market share. This can be attributed to their ease of availability and faster reproductive capacity. The segment is projected to record a higher CAGR of 5.6% during the forecast period.

- Parasitoids, another type of biocontrol agents, are commonly used in agriculture and accounted for 2.6% of the microbial biocontrol agents market in 2022. They control pests by feeding on their larvae or pupae, allowing farmers to address pest problems in the early stages.

- Macrobial biocontrol agents control the target pests with no harm to the environment and plants, and their usage in agriculture is expected to grow in the near future.

India Biocontrol Agents Industry Overview

The India Biocontrol Agents Market is fragmented, with the top five companies occupying 0.56%. The major players in this market are Agro Bio-Tech Research Centre Ltd, Koppert Biological Systems Inc., Samriddhi Crops India Pvt. Ltd, Sonkul Agro Industries 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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