

India Agricultural Biologicals Market Report and Forecast 2025-2034

Market Report | 2025-06-29 | 141 pages | EMR Inc.

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Report description:

The India agricultural biologicals market size reached approximately USD 535.83 Million in 2024. The market is assessed to grow at a CAGR of 10.10% between 2025 and 2034 to attain a value of around USD 1402.49 Million by 2034.

Key Trends in the Market

Agricultural biologics refers to products that are derived from plant extracts, naturally occurring microorganisms, organic matter, and plant extracts. They are a significant part of crop management systems and enhance the quality and yield of their crops. Biologicals also serve as viable solutions to meet the challenges of growing food demands and the rising inclination towards organic produce.

- India is home to a vast amount of agricultural land and generates employment for a substantial amount of the country's population through the agricultural sector. The country has also established its reputation as a significant producer of vegetables, fruits, wheat, sugarcane, sugar, cotton, rice, and fish, among others.

Rapid population growth, rising food demand, and the introduction of favourable policies by the Indian government to promote sustainable agriculture are positively impacting the India agricultural biologicals market demand.

- The growing interest in environmentally responsible farming is one of the key India agricultural biologicals market trends. There is an increasing awareness regarding the harmful effects of chemical pesticides and fertilisers on the environment and food. Biologicals are a vital tool in pest management as they are safe to handle, degrade rapidly into the soil, and offer enhanced flexibility and convenience to farmers, hence they are used as a risk-free option by farmers.

- Increasing investments by key players to improve the stability, shelf range, range, and controlled usage of biological products are expected to aid the India agricultural biologicals market growth in the forecast period. Moreover, surging research and development activities in the biologicals sector and the growing deployment of technologies like artificial intelligence (AI) and

machine learning to develop biologicals tailored to specific use cases and support farmers to make informed decisions and improve the efficacy of their biologicals are likely to support the market in the coming years.

Market Segmentation

The EMR's report titled "India Agricultural Biologicals Market Report and Forecast 2025-2034 offers a detailed analysis of the market based on the following segments:

Market Breakup by Source

- Microbial
- Biochemical

Market Breakup by Type

- Biopesticides
- Biostimulation
- Biofertiliser

Market Breakup by Application

- Foliar Spray
- Soil Treatment
- Seed Treatment

Market Breakup by Crop Type

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

Market Breakup by Region

- North India
- East India
- West India
- South India

Market Share by Source

Microbials represent a significant portion of the India agricultural biologicals market share. Microbial biologicals are applied directly into the soil, surface of seeds, and plants as an alternative to chemical agricultural products. Such biologicals also reduce chemical residues in vegetables and plants, improve their resistance management, and provide protection from diseases and pests.

Meanwhile, biochemical biologicals are naturally occurring substances such as fermentation products and plant extracts that can

enhance crop performance, stimulate various natural processes, and improve the quality of crops.

Market Share by Type

As per the India agricultural biologicals market analysis, there is a rising usage of biopesticides in sustainable farming practices to ensure the health and diversity of crops. Biopesticides can also facilitate integrated pest management, reduce the risk of toxic residues, and offer a favourable ecological footprint than traditional pesticides.

Moreover, biopesticides promote the safety and well-being of the environment, achieve sustainable management of diseases and pests, prevent resistance to biological controls, and are cheaper than chemical pesticides.

Competitive Landscape

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. The report gives a detailed analysis of the following key players in the India agricultural biologicals market, covering their competitive landscape and latest developments like mergers, acquisitions, investments and expansion plans.

Bayer AG

Bayer AG is a global company with competency in life sciences, nutrition, and health. Its services and products are aimed at addressing global challenges and an ageing population. The company is committed to driving sustainable growth and development. The company operates in three divisions, namely crop sciences, consumer health, and pharmaceuticals. It is also a leading agricultural player that offers tailored solutions for plants and crops.

Ajay Bio-Tech (I) Ltd.

Ajay Bio-Tech (I) Ltd., founded in 1990, has established its position as a prominent manufacturer of herbal, organic, and biological products. It has a strong presence in 12 Indian states, including Punjab, Tamil Nadu, West Bengal, and Uttar Pradesh, among others. With its headquarters in Maharashtra, India, the company's Biofix product range is aimed at nurturing and re-inventing the farm sector.

Gujarat State Fertilizers & Chemicals Limited

Gujarat State Fertilizers & Chemicals Limited, incorporated in 1962, is a multi-location company that is involved in the production of fertilisers. The company aims to provide agricultural products to farmers in Gujarat. The company constantly diversifies its portfolio and expands its distribution and manufacturing capabilities.

Other India agricultural biologicals market players include Valent BioSciences LLC, UPL Ltd., India n Farmers Fertiliser Cooperative Limited., IPL Biologicals Ltd., Rallis India Ltd., Madras Fertilizers Limited., and Coromandel International Limited, among others.

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