

Biofertilizer - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Biofertilizer Market size is estimated at 3.72 billion USD in 2025, and is expected to reach 5.97 billion USD by 2030, growing at a CAGR of 9.94% during the forecast period (2025-2030).

- Biofertilizers are living microorganisms that can enhance plant nutrition by either mobilizing or increasing nutrient availability in soils. The most common microorganisms used as biofertilizers in agriculture include mycorrhiza, Azospirillum, Azotobacter, Rhizobium, and phosphate-solubilizing bacteria.
- Among these, mycorrhiza is the most consumed biofertilizer globally. It accounted for 36.7% of the biofertilizer segment in 2022, with a market value of USD 1.04 billion and a volume of 170.6 thousand metric tons. Mycorrhiza increases the root surface area of plants, thus enhancing their nutrient uptake.
- Rhizobium is the second most consumed biofertilizer globally. It accounted for 24.2% of the biofertilizer segment in 2022. North America dominated the rhizobium sub-segment with a market share of 52.1% in the same year. Row crops dominated the rhizobium sub-segment in North America, accounting for 62.4% in 2022. Rhizobium has a symbiotic association with leguminous crops, a category of row crops. Thus, row crops dominated the rhizobium sub-segment. North America also has a large cultivation area of row crops. The rhizobium sub-segment in the North American row crops market is anticipated to record a CAGR of 10.5% during the forecast period.
- Azospirillum accounted for 16.3% of the biofertilizer segment. North America dominated the Azospirillum sub-segment, accounting for 45.7% in 2022.
- Thus, the biofertilizer segment of the global agricultural biologicals market is expected to grow in the coming years as more

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farmers seek sustainable and eco-friendly solutions to improve crop yields and soil health.

- Biofertilizers are living microorganisms that have the ability to enhance plant nutrition by either mobilizing or increasing nutrient availability in soils. North America and Europe are the major consumers of biofertilizers in the world.
- North America accounted for 34.5% of the global biofertilizer market in 2022. The area under cultivation of organic crops in the region increased by 13.5% during the historical period, from 1.4 million hectares in 2017 to 1.6 million hectares in 2021. The demand for organic food in the region is growing rapidly, with an average per capita spending on organic food products in North America at USD 109.7 in 2021.
- The European region accounted for 30.7% in 2022 and stood as the second-largest consumer of biofertilizers. Europe had the largest area under organic farming in the world, with 6.5 million hectares in 2021. The European Commission has unveiled an action plan to increase the organic area in the member countries to occupy 25.0% of the region's agricultural land area by 2030. This factor is further expected to drive the market for biofertilizers in the region.
- The Asia-Pacific region is a leading producer of organic crops such as rice, sugarcane, and fruits and vegetables. China and India are emerging leaders, although organic farming only accounts for a small portion of their total agricultural area. The organic farming area in the region grew from 2017 to 2021, and this trend is expected to drive growth in the biofertilizer market.
- The increasing organic crop area and increasing demand for organic commodities across the world, particularly in regions like Europe and North America, may drive the demand for biofertilizers during the forecast period.

Global Biofertilizer Market Trends

Organic production is at an all-time high in North America and Europe, due to the increasing awareness and Government initiatives.

- Organic agriculture has emerged as a significant contributor to sustainable food systems, with 187 countries practicing it globally. As of 2021, there was 72.3 million ha of organic agricultural land worldwide, with an average increase of 2.9% across all regions from 2018 to 2021. Organic arable land accounted for 14.4 million ha, representing 19.9% of the total organic agricultural land.
- The strongest markets for organic farming are North America and Europe, accounting for 41.0% of the global organic arable land. In 2022, Europe had 6.5 million ha of organic arable land, equivalent to 44.1% of the overall organic arable agricultural area. The most significant crops grown organically in North America and Europe are apples, strawberries, cereals, and olives.
- Developing countries in Asia-Pacific are also joining the organic agriculture movement and becoming self-sufficient in producing and providing fresh organic produce to meet their domestic demand. The trend of organic farming is gaining momentum in Asia-Pacific, with the region recording an 18.8% increase in organic arable land from 2017 to 2022. The major initiatives by governments in the region also play a vital role in the growing trend of organic farming. For example, Japan's Basic Plan for Food, Agriculture, and Rural Areas aims to triple the number of organic farmers and lands by 2030.
- The growth of organic agriculture is driven by the rising awareness of the benefits of organic farming, such as promoting soil health, reducing environmental impacts, and producing healthier food.

Per capita spending of organic food majorly observed in United States and Germany, attributed to the consumer demand for

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healthier and sustainable food

- The organic food market experienced significant growth in the past few years, with global sales reaching USD 120.6 billion in 2020, up from USD 70.8 billion in 2012. The trend toward organic food is being driven by several factors, such as increasing consumer demand for healthier, more sustainable food options and a growing awareness of the environmental impact of conventional agriculture. The global organic food market is expected to continue its growth trend over the coming years.
- According to a survey conducted by the Organic Trade Association in 2021, sales of organic fruits and vegetables increased by around 4.5% in the same year, accounting for 15% of the overall organic sales. North America dominates the market in terms of average spending on organic products, with per capita spending in the United States reaching USD 186.7 in 2021, the highest among all North American countries. Europe is also expected to experience significant growth in the organic food market, with Germany accounting for the highest per capita spending of USD 75.6 in 2021.
- While the organic food market is still dominated by developed countries with high consumer disposable incomes, it is also expected to grow in developing nations. For example, the increasing number of working-class people in the Asia-Pacific region may contribute to the market's expansion due to the growing availability and affordability of organic food products.

Biofertilizer Industry Overview

The Biofertilizer Market is fragmented, with the top five companies occupying 21.14%. The major players in this market are Gujarat State Fertilizers & Chemicals Ltd, Indian Farmers Fertiliser Cooperative Limited, Koppert Biological Systems Inc., Symborg Inc. 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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