

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

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Report description:

The Asia-Pacific Biofertilizer Market size is estimated at 0.75 billion USD in 2025, and is expected to reach 1.21 billion USD by 2030, growing at a CAGR of 10.04% during the forecast period (2025-2030).

- Biofertilizers are live microorganisms that promote plant nutrition by mobilizing or increasing nutrient availability in soils. Mycorrhiza, Azospirillum, Azotobacter, Rhizobium, and phosphate-solubilizing bacteria are the microorganisms most commonly utilized as biofertilizers in agriculture. The biofertilizer market in the region grew by 2.4% (CAGR) between 2017 and 2022 by value. However, the market value of biofertilizers is anticipated to increase by about 9.9% (CAGR) between 2023 and 2029.
- Among these biofertilizers, Azotobacter is the second most widely utilized in the Asia Pacific region, accounting for 24.6% of the market in 2022, with a value of USD 141.8 million. Azotobacter is a nitrogen-fixing bacterium that does not require symbiotic relationships to fix atmospheric nitrogen and make it available to plants. It is used as a biofertilizer for all non-leguminous plants, including rice, cotton, and vegetables.
- The consumption of biofertilizers is dominant in row crops, valued at about USD 479.1 million in 2022. The major row crops cultivated in the region include rice, wheat, barley, corn, and soybeans. The dominance of row crops is mainly due to their large organic cultivation area, which accounted for about 67.5% of the region's organic crop cultivation area in 2022.
- Government initiatives in various regional countries to promote organic or sustainable farming have increased in response to growing organic crop production and the rising demand for organic products in both domestic and international markets. These factors may have an impact on the market throughout the forecast period. The value of the Asia-Pacific biofertilizer market is anticipated to grow by about 9.9% (CAGR) between 2023 and 2029,.

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- The organic area under cultivation in Asia-Pacific expanded significantly from 2017 to 2022, going from 3.1 million hectares to 3.8 million hectares, respectively. Owing to the growing demand for organically cultivated food in many Asia-Pacific countries. As a result, the Asia-Pacific biofertilizer market grew by 2.4% (CAGR) between 2017 and 2022.
- The second most popular biofertilizer in Asia-Pacific is Azotobacter, which accounted for 24.6% of the market in 2022, valued at USD 141.8 million. It can be used as a biofertilizer in agriculture to make crop production more sustainable through its ability to fix nitrogen and solubilize bacteria⁷⁶
- Azotobacter as bioinoculants have been demonstrated to increase agricultural productivity by 10-12%, leading to the synthesis of significant amounts of biologically active compounds, including nicotinic acid, biotin, heteroauxins, vitamin B, and gibberellins, which support root development and mineral absorption. The majority of non-leguminous crops, including rice, wheat, millets, cotton, tomato, cabbage, mustard, and safflower, are recommended for Azotobacter use.
- China held 93.5% of the total biofertilizer market value in 2022, making it the dominant country in the region. Row crops dominated the Chinese biofertilizer market in 2022, accounting for 82.3%. Row crops held a major organic acreage in the country, which was 2.1 million hectares in 2022.
- Due to rising consumer interest in organic products, farmers have become more aware of the disadvantages of relying on agricultural chemical inputs and rising organic acreage. The demand for biofertilizers in Asia-Pacific is anticipated to increase between 2023 and 2029, with a CAGR of 8.6%.

Asia-Pacific Biofertilizer Market Trends

Growing government support in countries like China, India, Indonesia, and Australia, boosts organic farming in the region

- The area of organic agricultural land in Asia-Pacific was over 3.7 million ha in 2021, representing 26.4% of the global organic area, as per FiBL statistics. The organic area under cultivation grew by 19.3% between 2017-2022. As of 2020, the region had 1.83 million organic producers, with India topping the list with 1.3 million organic producers. China, India, Indonesia, and Australia are the major countries with large organic cultivation areas in the region. Government authorities in countries like China and India are constantly promoting organic agriculture to reduce reliance on chemical inputs for crop cultivation. For instance, India has implemented schemes like Paramparagat Krishi Vikas Yojana and the All India Network Programme on Organic Farming (AI-NPOF).
- In 2021, China accounted for a maximum share of 66.1%, with 2.5 million ha, followed by India, Indonesia, and Australia, with 19.3%, 1.5%, and 1.4%, respectively. The total organic land is divided into three crop types, namely row crops, horticultural crops, and cash crops. Row crops occupy a major share of organic agricultural land in the region, accounting for 67.5% share, i.e., 2.5 million ha in 2021. The major row crops grown in the region include paddy, wheat, pulses, soybeans, and millets.
- Cash crops held the second largest share, with 0.7 million ha in 2021, accounting for an 18.5% share of organic cropland. The demand for organic cash crops like sugar and organic tea is increasing worldwide. China and India are the largest organic green and black tea producers, respectively. The growing international demand is expected to increase the organic acreages in the region.

Per capita spending on organic product predominant in Australia and China's organic food market growing significantly

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- The per capita spending on organic products in the region was recorded at USD 85.1 in 2021. Australia witnessed a higher per capita spending on organic products, with USD 34.49 in the same year, attributed to the higher demand due to consumers' perception of organic food as healthy. As per the Global Organic Trade data, the organic packaged food and beverage market in Australia was valued at USD 885.2 million in 2021.
- China's organic food market grew by 13.3% in 2021, and the positive growth pattern is expected to continue, with a CAGR of 7.1% between 2023 and 2029. With an increasing emphasis on the importance of organic products among the younger generation and the rising demand for organic baby food due to the growing number of mothers in the workforce and the increasing adoption of the health and wellness trend, organic products are expected to reach a value of USD 6.4 billion by 2025.
- Organic products in India represent far less than 1.0% of global demand, with a per capita expenditure of just USD 0.08 in 2021. However, the Indian market may grow over the coming years, reaching a value of USD 153.3 million by 2025. Currently, the region's organic goods market is highly fragmented, with just a few supermarkets and specialty stores selling them, as people from higher-income families are the only potential customers. Growing consumer knowledge and changing buying patterns may lead to a better understanding of organic food sustainability in the region. Increasing per capita income and increased consumer awareness of the importance of organic food can raise per capita expenditure on organic food items in the Asia-Pacific region.

Asia-Pacific Biofertilizer Industry Overview

The Asia-Pacific Biofertilizer Market is fragmented, with the top five companies occupying 30.04%. The major players in this market are Biostadt India Limited, Gujarat State Fertilizers & Chemicals Ltd, Indian Farmers Fertiliser Cooperative Limited, Kiwa Bio-Tech and The Fertilizers and Chemicals Travancore Limited (sorted alphabetically).

Additional Benefits:

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

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