

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

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### **Report description:**

The China Biofertilizer Market size is estimated at 568.5 million USD in 2025, and is expected to reach 932.7 million USD by 2030, growing at a CAGR of 10.41% during the forecast period (2025-2030).

- Biofertilizers are living microorganisms that improve plant nutrition by mobilizing or increasing nutrient availability in soils. Biofertilizers are essential components of organic farming that play an important role in long-term soil fertility and sustainability by fixing atmospheric nitrogen, mobilizing fixed macro and micronutrients, or converting insoluble phosphorous in the soil into forms available to plants.
- In the Chinese biofertilizer market, Azotobacter is the most consumed biofertilizer, dominating the market with a share of 31.3%, valued at USD 137.1 million, followed by Mycorrhiza, Azospirillum, Rhizobium, and phosphate-solubilizing bacteria with shares of 22%, 22.0%, 11.6%, and 11.2%, respectively, in 2022.
- As of 2021, China achieved its "eighteenth consecutive bumper grain harvest." However, this achievement was accomplished by problems such as the chronic overuse of agricultural fertilizers. China exceeds the internationally accepted upper limit of agricultural fertilizer per unit area. As a major global agricultural producer, China proposed a fertilizer reduction and efficiency initiative in 2015 to achieve "zero fertilizer growth rate and zero fertilizer use reduction" by 2020. China achieved a fertilizer reduction of 12.8% from 2015 to 2020. This initiative increased the consumption value of biofertilizers in the Chinese agricultural sector by 7.0% during 2017-2022.
- Organic farming is also increasing in China as the demand for organic food continues to rise. From 2017 to 2022, 29.6% of organic acreage increased. Increasing organic acreage and government initiatives are expected to boost the value of the Chinese

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biofertilizers market by 78.8% between 2023 and 2029.

## China Biofertilizer Market Trends

Country's zero growth in pesticides use and increasing exports under organic products driving the organic cultivation.

- According to the latest reports by FiBL and the IFOAM, the market for organic food in China is growing at an annual rate of 25.0%. The shift from conventional to organic is a transformation toward a more sustainable food system within China, given the USD 2.91 billion of agri-food commodities exported from China each year.
- The size of organic farmland increased rapidly in China because more people started buying organic products due to increased incomes and the increasing importance of food safety. In the last three years, China's organic planting area increased by 10%, reaching 2.4 million ha in 2020. In addition, national policies have been adopted to promote organic production, advocating the slogans that state, "lucid waters and lush mountains are invaluable assets" and "green development".
- Organic farming in China is majorly export-oriented. The products that are both exported and imported include cereals, soybeans, fruits, and vegetables. China's three northeastern provinces (Liaoning, Jilin, and Heilongjiang) support the largest organic production nationally in terms of output, volume, and area. Most organic farms located in the northern part of China (e.g., Shandong and Liaoning) supply organic vegetables and fruits to nearby cities. In addition, they export some products to Japan, South Korea, Europe, and the United States.
- With the increasing concerns of soil toxicity due to the overuse of synthetic fertilizers and pesticides that lead to soil contamination, the demand for sustainable agriculture practices and organic food production is on the rise in China. This moderately slow yet increasing shift in cultivation practices has also subsequently increased the demand for crop nutrition and protection products.

The growing demand for organic products, approximately 73% of Chinese consumers are willing to have organic food

- China's organic food market is developing rapidly, and the potential demand for organic food among Chinese consumers is enormous. This is due to the growth of the wealthier middle classes and a greater awareness of the health implications. In 2021, organic food sales in China amounted to about USD 77.54 billion.
- Due to various government laws that favor organic food over food safety and customer preferences for organic food over conventional food, the demand for organic food items has considerably expanded. While prices of organic vegetables in China range from 3 to 15 times the cost of conventional produce, prices for organic vegetables are generally between 5 and 10 times that of their conventional counterparts. However, despite the price factor being a barrier, wealthy families and individuals with health problems are eager to increase their budget, with approximately 73% of Chinese consumers willing to pay extra for organic foods.
- The Chinese government is slowly aiming to become self-reliant in the organic food sector. For instance, the economy is slowly moving toward a green agriculture practice by encouraging farmers to scale back the use of chemical fertilizers and switch to bio-based alternatives. The China Chain Store and Franchise Association (CCFA) research in 2020 declared that organic awareness among the Chinese population in developed cities was at 83% when it came to an understanding of the concept of sustainable

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food production. Although China's organic food sector is still quite small and falls far short of satisfying domestic and international consumer demand, it can be stated that organic food in China has enormous potential in both the domestic and foreign markets, considering the rise in domestic sales by 4.01% in 2021.

## China Biofertilizer Industry Overview

The China Biofertilizer Market is fragmented, with the top five companies occupying 3.08%. The major players in this market are Biolchim SpA, Genliduo Bio-tech Corporation Ltd, Kiwa Bio-Tech, Novozymes and Shandong Sukahan Bio-Technology Co. Ltd (sorted alphabetically).

### Additional Benefits:

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

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