

## **North America Biofertilizer - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2017 - 2029**

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### **Report description:**

The North America Biofertilizer Market size is estimated at USD 1.18 billion in 2024, and is expected to reach USD 1.92 billion by 2029, growing at a CAGR of 10.23% during the forecast period (2024-2029).

#### Key Highlights

- Rhizobium is the Largest Form : Rhizobium is mainly because it is a vital source of nitrogen to the majority of agricultural soils, which can fix nitrogen ranging from 200 to 300 kilograms annually.
- Rhizobium is the Fastest-growing Form : The rhizobium based biofertilizers have the ability to reduce the overall dependence on chemical fertilizers, by reducing the total cost of production for farmers.
- Row Crops is the Largest Crop Type : The consumption of biofertilizers is dominant in row crops is mainly due to the large cultivation area, which accounts for 59.3% of the total organic cultivation area in 2022.
- United States is the Largest Country : The dominance of the United States is mainly due to its large organic cultivation area in the region, which accounts for 39.5% of the total organic crop area in the region.

#### North America Biofertilizer Market Trends

Rhizobium is the largest Form

- Biofertilizers are organic substances with living microorganisms that promote plant growth. The biofertilizer market value increased by about 49.3% from 2017 to 2021, attributed to the increasing awareness among farmers, the increasing overall

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registered organic farms in the region, and the shifting demand for organically or sustainably grown commodities.

- Mycorrhiza-based biofertilizers accounted for about 25.6% of the market value in 2022, mainly because their application can reduce the use of chemical fertilizers, particularly phosphorus, by up to 30%.
- Rhizobium-based biofertilizers dominated the North American biofertilizer market and accounted for about 36.5% of the market value in 2022, mainly due to their ability to decrease the overall dependence on inorganic nitrogen fertilizers.
- Azospirillum-based biofertilizers accounted for about 21.6% of the total market value in 2022. Azospirillum is involved in atmospheric nitrogen fixation in a wide range of crops, particularly in cereal crops like rice, maize, sorghum, wheat, and millet.
- Continuous research is being conducted to develop strains that are biotic/abiotic stress-tolerant. Under salinity stress, Rhizobium trifolii inoculated with Trifoliumalexandrinum showed increased biomass and nodulation.
- The increasing awareness about the overuse of fertilizers among farmers and the government initiatives to support sustainable agricultural practices and organic farming resulted in a rising demand for biofertilizers. Therefore, the market for biofertilizers is anticipated to increase during the forecast period.

#### United States is the largest Country

- The United States dominated the North American biofertilizer market and accounted for about 45.6% of the market value in 2022. The dominance of the United States is mainly due to its large organic cultivation area in the region, which accounts for 39.5% of the total organic crop area.
- Canada is the second largest biofertilizer market, followed by the United States in the North American region. In 2022, Canada accounted for about 33.2% of the total biofertilizer market value in the region. Row crop cultivation is dominant in the country, and soybean, rapeseed, and wheat are some of the major crops cultivated in the country.
- Despite having the second-largest organic area in the North American region, Mexico accounted for only 18.2% of the biofertilizers market value in 2022. This is mainly attributed to lower application rates of biofertilizers in the country. The total biofertilizer volume consumption accounted for 3.2 thousand metric tons in 2022.
- The major agricultural countries in the rest of North America are Costa Rica, Cuba, Jamaica, and Guatemala. In these countries, cash crop cultivation is dominant compared to row and horticultural crops. Cash crop cultivation accounted for about 92.0% of the total organic crop area available in the rest of North America in 2022. The major cash crops grown in these countries are coffee, sugarcane, and spices.
- The biofertilizer market in the North American region is anticipated to increase at a higher pace in the United States compared to other countries in the region, which is attributed to various reasons like awareness among growers on sustainability and government initiatives for sustainable cultivation.

#### North America Biofertilizer Industry Overview

The North America Biofertilizer Market is fragmented, with the top five companies occupying 11.29%. The major players in this market are Lallemand Inc., Novozymes, Rizobacter, Sustane Natural Fertilizer, Inc and Symborg Inc. (sorted alphabetically).

#### Additional Benefits:

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

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