

## **Azotobacter - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2017 - 2029**

Market Report | 2024-02-17 | 276 pages | Mordor Intelligence

### **AVAILABLE LICENSES:**

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

### **Report description:**

The Azotobacter Market size is estimated at USD 365.65 million in 2024, and is expected to reach USD 580.26 million by 2029, growing at a CAGR of 9.68% during the forecast period (2024-2029).

#### Key Highlights

- Row Crops is the Largest Crop Type. Barley, corn, wheat, rapeseed, rye, soybean, and rice are the major row crops grown globally. Row crops dominate the global azotobacter market with a 76.9% share in 2022.
- Row Crops is the Fastest-growing Crop Type. Azotobacter biofertilizers consumption in row crops is increasing due to the growing organic cultivation and the necessity to reduce N fertilizers consumption in row crops.
- Asia-Pacific is the Largest Region. China & India are the region's largest markets for azotobacter. Initiatives to reduce fertilizers usage and incentives to organic farmers made the region the largest consumer
- China is the Largest Country. Organic area under cultivation in China increased by 29.6% during the historic period (2017 - 2021), from 1.9 million hectares in 2017 to 2.5 million hectares in 2021.

#### Azotobacter Market Trends

##### Row Crops is the largest Crop Type

- Azotobacter refers to free-living bacteria that perform biological nitrogen fixation aerobically or anaerobically without depending on the host plants. Azotobacter biofertilizers accounted for an 11.3% share of the global biofertilizers market in 2022.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- The global area under organic crop cultivation increased by 29.1% during the historical period, rising from 11.1 million hectares in 2017 to 14.4 million hectares in 2022. In 2022, row crops accounted for the largest area under organic cultivation, with a 67.5% share, followed by horticulture crops and cash crops, with shares of 17.5% and 15.1%, respectively.
- Rice, barley, corn, wheat, rapeseed, sunflower, soybean, and other major field crops are grown worldwide. Row crops dominate the global Azotobacter market, accounting for 76.9% of the market in 2022. Azotobacter biofertilizers are useful for non-leguminous crops like paddy, wheat, millet, cotton, tomato, cabbage, mustard, and sunflower.
- The usage of Azotobacter in horticulture crops is increasing as the application of Azotobacter biofertilizer by replacing or in conjunction with various inorganic fertilizers is capable of increasing the fruit yield in various horticultural crops. The increase in yield and fruit set is not only attributed to its nitrogen-fixing ability but also due to Azotobacter's ability to increase the translocation of other nutrients from root to flower via plant foliage.
- Excessive nitrogen fertilizer application has been linked to environmental issues such as eutrophication, the greenhouse effect, and acid rain. Azotobacter biofertilizers can provide plants with the necessary nitrogen without overdosing them. These factors are anticipated to drive the global Azotobacter biofertilizers market to record a CAGR of 9.5% during the forecast period (2023-2029).

Asia-Pacific is the largest Region

- Nitrogen (N) is essential for increasing crop yields and can alter crops' ability to defend against herbivores. N-fertilizer is applied more frequently than required to maximize plant yield and economic profitability. Azotobacter is a viable option for reducing N fertilizer application.
- Azotobacter biofertilizers consumption accounts for 11.3% of the global biofertilizers market by value. This is due to the beneficial effects of azotobacter in achieving sustainable agriculture over the long term.
- Asia-Pacific is the largest regional market for Azotobacter biofertilizers, accounting for a value of USD 138.2 million in 2022. China and India are the major country-wise markets in Asia-Pacific, accounting for shares of 99.2% and 0.2%, respectively, in the Azotobacter market. China has the highest nitrogen (N) fertilizer consumption rate in the world. While N fertilizer use has greatly aided China's food production, it has also resulted in unprecedented changes in biogeochemical cycles and endangered terrestrial and aquatic ecosystems. Fertilizer policy reforms in China can help reduce N fertilizer use and the resultant N pollution. Azotobacter biofertilizers also have the potential to reduce the use of synthetic N-based fertilizers.
- In India, under the National Mission on Oilseeds and Oil Palm (NMOOP), financial assistance, including a 50% subsidy to the tune of INR 300/ha, is being given for different components like biofertilizers, supply Rhizobium culture/Phosphate solubilizing bacteria/Zinc solubilizing bacteria/Azatobacter/Mycorrhiza, and vermicompost. During the forecast period, these factors are expected to boost the market for Azotobacter biofertilizers.
- North America is the second-largest regional segment of the global Azotobacter market. The United States and Canada dominate the North American market due to their efforts to achieve organic farming.

#### Azotobacter Industry Overview

The Azotobacter Market is fragmented, with the top five companies occupying 14.24%. The major players in this market are Green Vision Life Sciences, Gujarat State Fertilizers & Chemicals Ltd, Indian Farmers Fertiliser Cooperative Limited, National Fertilizers Limited and T.Stanes and Company Limited (sorted alphabetically).

#### Additional Benefits:

- The market estimate (ME) sheet in Excel format

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 3 months of analyst support

## **Table of Contents:**

1 EXECUTIVE SUMMARY & KEY FINDINGS

2 REPORT OFFERS

3 INTRODUCTION

3.1 Study Assumptions & Market Definition

3.2 Scope of the Study

3.3 Research Methodology

4 KEY INDUSTRY TRENDS

4.1 Area Under Organic Cultivation

4.2 Per Capita Spending On Organic Products

4.3 Regulatory Framework

4.4 Value Chain & Distribution Channel Analysis

5 MARKET SEGMENTATION

5.1 Crop Type

5.1.1 Cash Crops

5.1.2 Horticultural Crops

5.1.3 Row Crops

5.2 Region

5.2.1 Africa

5.2.1.1 By Country

5.2.1.1.1 Egypt

5.2.1.1.2 Nigeria

5.2.1.1.3 South Africa

5.2.1.1.4 Rest of Africa

5.2.2 Asia-Pacific

5.2.2.1 By Country

5.2.2.1.1 Australia

5.2.2.1.2 China

5.2.2.1.3 India

5.2.2.1.4 Indonesia

5.2.2.1.5 Japan

5.2.2.1.6 Philippines

5.2.2.1.7 Thailand

5.2.2.1.8 Vietnam

5.2.2.1.9 Rest of Asia-Pacific

5.2.3 Europe

5.2.3.1 By Country

5.2.3.1.1 France

5.2.3.1.2 Germany

5.2.3.1.3 Italy

5.2.3.1.4 Netherlands

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.2.3.1.5 Russia
- 5.2.3.1.6 Spain
- 5.2.3.1.7 Turkey
- 5.2.3.1.8 United Kingdom
- 5.2.3.1.9 Rest of Europe
- 5.2.4 Middle East
  - 5.2.4.1 By Country
    - 5.2.4.1.1 Iran
    - 5.2.4.1.2 Saudi Arabia
    - 5.2.4.1.3 Rest of Middle East
- 5.2.5 North America
  - 5.2.5.1 By Country
    - 5.2.5.1.1 Canada
    - 5.2.5.1.2 Mexico
    - 5.2.5.1.3 United States
    - 5.2.5.1.4 Rest of North America
- 5.2.6 South America
  - 5.2.6.1 By Country
    - 5.2.6.1.1 Argentina
    - 5.2.6.1.2 Brazil
    - 5.2.6.1.3 Rest of South America

## 6 COMPETITIVE LANDSCAPE

- 6.1 Key Strategic Moves
- 6.2 Market Share Analysis
- 6.3 Company Landscape
- 6.4 Company Profiles
  - 6.4.1 Ezzy Bioscience Pvt. Ltd
  - 6.4.2 Green Vision Life Sciences
  - 6.4.3 Gujarat State Fertilizers & Chemicals Ltd
  - 6.4.4 Indian Farmers Fertiliser Cooperative Limited
  - 6.4.5 Indogulf BioAg LLC (Biotech Division of Indogulf Company)
  - 6.4.6 IPL Biologicals Limited
  - 6.4.7 Jaipur Bio Fertilizers
  - 6.4.8 National Fertilizers Limited
  - 6.4.9 Samriddhi Crops India Pvt. Ltd
  - 6.4.10 T.Stanes and Company Limited

## 7 KEY STRATEGIC QUESTIONS FOR AGRICULTURAL BIOLOGICALS CEOS

## 8 APPENDIX

- 8.1 Global Overview
  - 8.1.1 Overview
  - 8.1.2 Porter's Five Forces Framework
  - 8.1.3 Global Value Chain Analysis
  - 8.1.4 Market Dynamics (DROs)
- 8.2 Sources & References

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.3 List of Tables & Figures
- 8.4 Primary Insights
- 8.5 Data Pack
- 8.6 Glossary of Terms

**Azotobacter - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts  
2017 - 2029**

Market Report | 2024-02-17 | 276 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-03"/>
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

