

India Organic Fertilizer Market By Origin (Animal, Plant, Mineral), By Form (Dry and Liquid), By Crop Type (Cereals & Grains, Oilseed & Pulses, Fruits & Vegetables, Others), By Source (Domestic and Import), By Region, Competition, Forecast & Opportunities, 2020-2030F

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Abstracts

India Organic Fertilizer Market was valued at USD 432.21 Million in 2024 and is expected to reach USD 670.85 Million by 2030 with a CAGR of 7.56% during the forecast period. The India Organic Fertilizer Market is driven by increasing awareness of sustainable farming, government initiatives promoting organic agriculture, and rising demand for chemical-free food. Consumers are shifting towards organic products due to health concerns, pushing farmers to adopt organic fertilizers. Additionally, soil degradation from excessive chemical fertilizer use has encouraged the transition to organic alternatives, which improve soil health and productivity. The Paramparagat Krishi Vikas Yojana (PKVY) and other subsidy programs support farmers in adopting organic practices. Growth in organic farming exports and the expansion of e-commerce for organic produce further fuel market demand. Technological advancements in biofertilizers and vermicomposting also play a role in market expansion, making organic fertilizers a key component of sustainable agriculture in India.

Key Market Drivers

Growing Awareness of Sustainable Farming Practices

The increasing awareness about the adverse effects of chemical fertilizers on soil health and the environment has significantly contributed to the rise of organic fertilizers in

India. Farmers and agricultural experts have realized that excessive use of synthetic fertilizers leads to soil degradation, reduced fertility, and long-term yield losses. Organic fertilizers, derived from plant and animal waste, help maintain soil structure, improve microbial activity, and enhance water retention capacity. Awareness campaigns by government agencies, NGOs, and agricultural institutions have further educated farmers on the benefits of organic fertilizers, creating a shift towards sustainable and eco-friendly farming methods. In October 2021, Khetiwalo introduced 'a diverse range of organic fertilizers priced competitively with chemical alternatives. Among them, Dharti Shakti 50kg serves as a complete replacement for Di-Ammonium Phosphate (DAP) fertilizer. Developed by Khetiwalo Organics and Agro Technologies, these natural, eco-friendly fertilizers aim to support farmers while promoting sustainable agriculture. Dharti Shakti is specifically formulated to enhance soil health, enriched with natural nitrogen and phosphorus, ensuring long-term pH balance and improved fertility.

In addition, workshops, training programs, and farmer-to-farmer knowledge-sharing initiatives have helped in disseminating information on organic farming techniques. Farmers who have successfully transitioned to organic agriculture often serve as role models for others, reinforcing the advantages of using organic fertilizers. Digital platforms and social media campaigns have also played a crucial role in raising awareness, with influencers and agricultural experts advocating for the long-term benefits of sustainable practices. With growing environmental concerns, organic fertilizers have become a key component of regenerative agriculture, ensuring that future generations have access to productive and healthy farmland.

Key Market Challenges

High Cost of Organic Fertilizers

Organic fertilizers are generally more expensive than conventional chemical fertilizers, making it difficult for small and marginal farmers to afford them. The higher cost of production, processing, and certification adds to the overall expense, limiting the adoption of organic fertilizers on a large scale. Unlike synthetic fertilizers, which are mass-produced and subsidized by the government, organic fertilizers require more labor-intensive processes such as composting, vermiculture, and microbial inoculation. The cost of raw materials, including animal manure, plant residues, and bio-waste, is also relatively high due to limited large-scale commercial production. Additionally, the lack of economies of scale in the organic fertilizer industry further contributes to the high costs, as most production units operate on a smaller scale compared to chemical fertilizer manufacturers.

Another factor contributing to the high cost is the investment required for organic certification, which is necessary to comply with regulatory standards and gain consumer trust. Farmers must follow strict guidelines, conduct periodic testing, and undergo audits to maintain their organic status, all of which incur significant expenses. This financial burden discourages many small-scale farmers from transitioning to organic farming. Although government subsidies and financial aid programs exist to support organic farming, they are often insufficient or inaccessible to all farmers. Without additional financial incentives or subsidies, the high cost of organic fertilizers remains a major challenge in the industry.

Key Market Trends

Expansion of Organic Farming and Exports

India has emerged as a major player in the global organic farming sector, with an increasing number of farmers and agribusinesses engaging in organic cultivation. The demand for Indian organic products in international markets, especially in Europe and the United States, has led to increased adoption of organic farming methods. The government's support for organic exports, along with certification assistance and quality control measures, has boosted the production and use of organic fertilizers. As more farmers participate in organic supply chains, the domestic organic fertilizer market is expected to grow rapidly. In July 2023, the Indian Council of Agricultural Research (ICAR) has developed technologies for the rapid composting of on-farm renewable resources, offering a valuable source of organic fertilizers. Additionally, enriched compost varieties such as phosphor-nitro and phosphor-sulpho compost have been formulated for agricultural use as organic fertilizers. Under the All India Network Project on Soil Biodiversity and Bio-fertilizers, ICAR has also developed specialized bio-fertilizers tailored for different crops, further promoting sustainable farming practices.

The Agricultural and Processed Food Products Export Development Authority (APEDA) has played a key role in promoting Indian organic products in global markets. Export demand for organic spices, tea, rice, pulses, and medicinal plants has encouraged farmers to transition to organic farming. To meet international quality standards, farmers are investing in organic fertilizers that improve soil health and enhance crop quality. Additionally, export incentives and streamlined certification processes are reducing barriers for Indian organic farmers. As global demand for organic products rises, India's organic fertilizer industry will continue to expand to support this growing market.

Key Market Players

Indian Farmers Fertiliser Cooperative Limited

Krishak Bharati Cooperative Limited

IPL Biologicals Limited

Southern Petrochemical Industries Corporation Limited

T. Stanes and Company Limited

Greenstar Fertilizers Limited

Teesta Agro Industries Ltd

K + S Fertilizers (India) Pvt. Ltd.

DMCC Speciality Chemicals Limited

Dayal Fertilizers Private Limited

Report Scope:

In this report, the India Organic Fertilizer Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India Organic Fertilizer Market, By Origin:

Animal

Plant

Mineral

India Organic Fertilizer Market, By Form:

Dry

Liquids

India Organic Fertilizer Market, By Crop Type:

Cereals & Grains

Oilseed & Pulses

Fruits & Vegetables

Others

India Organic Fertilizer Market, By Source:

Domestic

Import

India Organic Fertilizer Market, By Region:

North

South

West

East

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the India Organic Fertilizer Market.

Available Customizations:

India Organic Fertilizer Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following

India Organic Fertilizer Market By Origin (Animal, Plant, Mineral), By Form (Dry and Liquid), By Crop Type (Ce...

customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validations
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. VOICE OF CUSTOMER

5. INDIA ORGANIC FERTILIZER MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Origin (Animal, Plant, Mineral)
 - 5.2.2. By Form (Dry and Liquid)
 - 5.2.3. By Crop Type (Cereals & Grains, Oilseed & Pulses, Fruits & Vegetables, Others)

- 5.2.4. By Source (Domestic and Import)
- 5.2.5. By Region
 - 5.2.5.1. By State (Top 3 States)
- 5.2.6. By Company (2024)
- 5.3. Market Map

6. NORTH INDIA ORGANIC FERTILIZER MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Origin
 - 6.2.2. By Form
 - 6.2.3. By Crop Type
 - 6.2.4. By Source

7. WEST INDIA ORGANIC FERTILIZER MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Origin
 - 7.2.2. By Form
 - 7.2.3. By Crop Type
 - 7.2.4. By Source

8. SOUTH INDIA ORGANIC FERTILIZER MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Origin
 - 8.2.2. By Form
 - 8.2.3. By Crop Type
 - 8.2.4. By Source

9. EAST INDIA ORGANIC FERTILIZER MARKET OUTLOOK

- 9.1. Market Size & Forecast

- 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Origin
 - 9.2.2. By Form
 - 9.2.3. By Crop Type
 - 9.2.4. By Source

10. MARKET DYNAMICS

- 10.1. Drivers
- 10.2. Challenges

11. MARKET TRENDS & DEVELOPMENTS

- 11.1. Merger & Acquisition (If Any)
- 11.2. Product Launches (If Any)
- 11.3. Recent Developments

12. INDIA ORGANIC FERTILIZER MARKET: SWOT ANALYSIS

13. PORTER'S FIVE FORCES ANALYSIS

- 13.1. Competition in the Industry
- 13.2. Potential of New Entrants
- 13.3. Power of Suppliers
- 13.4. Power of Customers
- 13.5. Threat of Substitute Products

14. COMPETITIVE LANDSCAPE

- 14.1. Indian Farmers Fertiliser Cooperative Limited
 - 14.1.1. Business Overview
 - 14.1.2. Company Snapshot
 - 14.1.3. Products & Services
 - 14.1.4. Financials (As Reported)
 - 14.1.5. Recent Developments
 - 14.1.6. Key Personnel Details
 - 14.1.7. SWOT Analysis
- 14.2. Krishak Bharati Cooperative Limited

- 14.3. IPL Biologicals Limited
- 14.4. Southern Petrochemical Industries Corporation Limited
- 14.5. T. Stanes and Company Limited
- 14.6. Greenstar Fertilizers Limited
- 14.7. Teesta Agro Industries Ltd
- 14.8. K + S Fertilizers (India) Pvt. Ltd.
- 14.9. DMCC Speciality Chemicals Limited
- 14.10. Dayal Fertilizers Private Limited

15. STRATEGIC RECOMMENDATIONS

16. ABOUT US & DISCLAIMER

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