

# **Global Nano Fertilizer Market Size study & Forecast, by Raw Material (Nitrogen, Silver, Carbon, Zinc, Others) by Application (Cereals & Grains, Oilseeds & Pulses, Fruits & Vegetables, Others), by Method of Application (Spray or Foliar, Soil) and Regional Analysis, 2022-2029**

<https://marketpublishers.com/r/GADE077958DAEN.html>

Date: January 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GADE077958DAEN

## **Abstracts**

Global Nano Fertilizer Market is valued at approximately USD 2.71 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 14.8% over the forecast period 2022-2029. A nano fertilizer is a type of fertilizer that offers nutrients to crops in one of three ways. The nutrient is encapsulated inside nanomaterials including nano porous or nanotubes materials, coated with a thin protective polymer film, or present as particles or emulsions of nanoscale dimensions. These fertilizers enhance the capabilities of fertilizers and are highly utilized to create fertilizers more easily and effectively absorbable by plants. The surging demand for high-yield agricultural products, the rising focus on replacing regular urea or other chemical fertilizer, and the exponential growth of the agricultural industry are the primary factors that are boosting the market demand across the globe.

The increasing global population is imposing a high burden for crop production to meet the growing needs of consumers. For instance, The World Bank reported that the population around the world was recorded at 7.84 billion in 2021 an increase from 7.6 billion in 2018. Also, as per the Food and Agriculture Organization of the United Nation (FAO), the population worldwide is anticipated to reach 9.7 billion by 2050. Thereby, the surging demand for agricultural products is fueling the demand for nano fertilizers that are easily absorbed into the plant and deliver all the key nutrients to the crop in an effective way. Moreover, the rising sustainable electrification necessities in the

agricultural sector, as well as the growing awareness about the benefits of nano fertilizer are presenting various lucrative opportunities over the forecasting years. However, the poor quality of the products is challenging the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Nano Fertilizer Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America dominated the market in terms of revenue, owing to the growing demand for high-yield crops in and the rising shift towards conventional fertilizer use of nano fertilizers. Whereas, the Asia Pacific is also expected to grow with the highest CAGR during the forecast period, owing to factors such as the presence of emerging economies, robust rise in the agriculture and food industry, and increasing government investment to establish new nano fertilizer manufacturing units in the region.

Major market players included in this report are:

Indian Farmers Fertilizer Cooperative Limited  
Lazuriton Nano Biotechnology Co., Ltd.  
Fanavar Nano-Pazhoohesh Markazi Company  
Tropical Agrosystem India (P) Ltd.  
EuroChem  
Shan Maw Myae Trading Co., Ltd  
Geolife Group  
AG CHEMI Group, s.r.o.  
JU Agri Sciences Pvt. Ltd.  
Nano Solutions

Recent Developments in the Market:

In June 2022, Nutrien declared the introduction of the company's new fertilizer production capabilities in order to response to structural changes in the global energy, agricultural, and fertilizer sectors.

The CP Group with Charoen Pokphand Foods Public Company Limited announced the introduction of its CPF Grow-Share-Protect Mangrove Forestation Project in Trat province, which covers an area of 1,300 rai in 2022. The aim of this strategic initiative is to rise biodiversity, conserve animal and marine life, stimulate the local economy, and, accordingly, raise the standard of living for the populations that surround the mangrove areas.

Global Nano Fertilizer Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Raw Material, Application, Method of Application, Region  
Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Raw Material:

Nitrogen

Silver

Carbon

Zinc

Others

By Application:

Cereals & Grains

Oilseeds & Pulses

Fruits & Vegetables

Others

By Method of Application:

Spray or Foliar

Soil

By Region:

North America

U.S.

Canada

Europe

UK  
Germany  
France  
Spain  
Italy  
ROE  
Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
RoLA  
Rest of the World

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
  - 1.2.1. Nano Fertilizer Market, by Region, 2019-2029 (USD Billion)
  - 1.2.2. Nano Fertilizer Market, by Raw Material, 2019-2029 (USD Billion)
  - 1.2.3. Nano Fertilizer Market, by Application, 2019-2029 (USD Billion)
  - 1.2.4. Nano Fertilizer Market, by Method of Application, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL NANO FERTILIZER MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL NANO FERTILIZER MARKET DYNAMICS**

- 3.1. Nano Fertilizer Market Impact Analysis (2019-2029)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing global population
    - 3.1.1.2. Surging demand for high-yield agricultural products
  - 3.1.2. Market Challenges
    - 3.1.2.1. Poor quality of the products
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Rising sustainable electrification necessities in the agricultural sector
    - 3.1.3.2. Growing awareness about the benefits of nano fertilizer

### **CHAPTER 4. GLOBAL NANO FERTILIZER MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers

- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

## **CHAPTER 6. GLOBAL NANO FERTILIZER MARKET, BY RAW MATERIAL**

- 6.1. Market Snapshot
- 6.2. Global Nano Fertilizer Market by Raw Material, Performance - Potential Analysis
- 6.3. Global Nano Fertilizer Market Estimates & Forecasts by Raw Material 2019-2029 (USD Billion)
- 6.4. Nano Fertilizer Market, Sub Segment Analysis
  - 6.4.1. Nitrogen
  - 6.4.2. Silver
  - 6.4.3. Carbon
  - 6.4.4. Zinc
  - 6.4.5. Others

## **CHAPTER 7. GLOBAL NANO FERTILIZER MARKET, BY APPLICATION**

- 7.1. Market Snapshot
- 7.2. Global Nano Fertilizer Market by Application, Performance - Potential Analysis
- 7.3. Global Nano Fertilizer Market Estimates & Forecasts by Application 2019-2029 (USD Billion)

#### 7.4. Nano Fertilizer Market, Sub Segment Analysis

- 7.4.1. Cereals & Grains
- 7.4.2. Oilseeds & Pulses
- 7.4.3. Fruits & Vegetables
- 7.4.4. Others

### **CHAPTER 8. GLOBAL NANO FERTILIZER MARKET, BY METHOD OF APPLICATION**

#### 8.1. Market Snapshot

#### 8.2. Global Nano Fertilizer Market by Method of Application, Performance - Potential Analysis

#### 8.3. Global Nano Fertilizer Market Estimates & Forecasts by Method of Application 2019-2029 (USD Billion)

#### 8.4. Nano Fertilizer Market, Sub Segment Analysis

- 8.4.1. Spray or Foliar
- 8.4.2. Soil

### **CHAPTER 9. GLOBAL NANO FERTILIZER MARKET, REGIONAL ANALYSIS**

#### 9.1. Nano Fertilizer Market, Regional Market Snapshot

#### 9.2. North America Nano Fertilizer Market

##### 9.2.1. U.S. Nano Fertilizer Market

###### 9.2.1.1. Raw Material breakdown estimates & forecasts, 2019-2029

###### 9.2.1.2. Application breakdown estimates & forecasts, 2019-2029

###### 9.2.1.3. Method of Application breakdown estimates & forecasts, 2019-2029

##### 9.2.2. Canada Nano Fertilizer Market

#### 9.3. Europe Nano Fertilizer Market Snapshot

##### 9.3.1. U.K. Nano Fertilizer Market

##### 9.3.2. Germany Nano Fertilizer Market

##### 9.3.3. France Nano Fertilizer Market

##### 9.3.4. Spain Nano Fertilizer Market

##### 9.3.5. Italy Nano Fertilizer Market

##### 9.3.6. Rest of Europe Nano Fertilizer Market

#### 9.4. Asia-Pacific Nano Fertilizer Market Snapshot

##### 9.4.1. China Nano Fertilizer Market

##### 9.4.2. India Nano Fertilizer Market

##### 9.4.3. Japan Nano Fertilizer Market

##### 9.4.4. Australia Nano Fertilizer Market

- 9.4.5. South Korea Nano Fertilizer Market
- 9.4.6. Rest of Asia Pacific Nano Fertilizer Market
- 9.5. Latin America Nano Fertilizer Market Snapshot
  - 9.5.1. Brazil Nano Fertilizer Market
  - 9.5.2. Mexico Nano Fertilizer Market
  - 9.5.3. Rest of Latin America Nano Fertilizer Market
- 9.6. Rest of The World Nano Fertilizer Market

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Top Market Strategies
- 10.2. Company Profiles
  - 10.2.1. Indian Farmers Fertilizer Cooperative Limited
    - 10.2.1.1. Key Information
    - 10.2.1.2. Overview
    - 10.2.1.3. Financial (Subject to Data Availability)
    - 10.2.1.4. Product Summary
    - 10.2.1.5. Recent Developments
  - 10.2.2. Lazuriton Nano Biotechnology Co., Ltd.
  - 10.2.3. Fanavar Nano-Pazhoohesh Markazi Company
  - 10.2.4. Tropical Agrosystem India (P) Ltd.
  - 10.2.5. EuroChem
  - 10.2.6. Shan Maw Myae Trading Co., Ltd
  - 10.2.7. Geolife Group
  - 10.2.8. AG CHEMI Group, s.r.o.
  - 10.2.9. JU Agri Sciences Pvt. Ltd.
  - 10.2.10. Nano Solutions

## **CHAPTER 11. RESEARCH PROCESS**

- 11.1. Research Process
  - 11.1.1. Data Mining
  - 11.1.2. Analysis
  - 11.1.3. Market Estimation
  - 11.1.4. Validation
  - 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption



## List Of Tables

### LIST OF TABLES

- TABLE 1. Global Nano Fertilizer Market, report scope
- TABLE 2. Global Nano Fertilizer Market estimates & forecasts by Region 2019-2029 (USD Billion)
- TABLE 3. Global Nano Fertilizer Market estimates & forecasts by Raw Material 2019-2029 (USD Billion)
- TABLE 4. Global Nano Fertilizer Market estimates & forecasts by Application 2019-2029 (USD Billion)
- TABLE 5. Global Nano Fertilizer Market estimates & forecasts by Method of Application 2019-2029 (USD Billion)
- TABLE 6. Global Nano Fertilizer Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 7. Global Nano Fertilizer Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 8. Global Nano Fertilizer Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 9. Global Nano Fertilizer Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 10. Global Nano Fertilizer Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 11. Global Nano Fertilizer Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 12. Global Nano Fertilizer Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 13. Global Nano Fertilizer Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 14. Global Nano Fertilizer Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 15. Global Nano Fertilizer Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 16. U.S. Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 17. U.S. Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 18. U.S. Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 19. Canada Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD

Billion)

TABLE 20. Canada Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. Canada Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 22. UK Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 23. UK Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. UK Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 25. Germany Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 26. Germany Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. Germany Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 28. France Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 29. France Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. France Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 31. Italy Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 32. Italy Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Italy Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 34. Spain Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 35. Spain Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. Spain Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 37. RoE Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 38. RoE Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 39. RoE Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 40. China Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 41. China Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. China Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 43. India Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 44. India Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. India Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 46. Japan Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 47. Japan Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. Japan Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 49. South Korea Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 50. South Korea Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. South Korea Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 52. Australia Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 53. Australia Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. Australia Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 55. RoAPAC Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 56. RoAPAC Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. RoAPAC Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 58. Brazil Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 59. Brazil Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Brazil Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 61. Mexico Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD

Billion)

TABLE 62. Mexico Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. Mexico Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 64. RoLA Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 65. RoLA Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. RoLA Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 67. Row Nano Fertilizer Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 68. Row Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. Row Nano Fertilizer Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 70. List of secondary sources, used in the study of global Nano Fertilizer Market

TABLE 71. List of primary sources, used in the study of global Nano Fertilizer Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Nano Fertilizer Market, research methodology
  - FIG 2. Global Nano Fertilizer Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Nano Fertilizer Market, key trends 2021
  - FIG 5. Global Nano Fertilizer Market, growth prospects 2022-2029
  - FIG 6. Global Nano Fertilizer Market, porters 5 force model
  - FIG 7. Global Nano Fertilizer Market, pest analysis
  - FIG 8. Global Nano Fertilizer Market, value chain analysis
  - FIG 9. Global Nano Fertilizer Market by segment, 2019 & 2029 (USD Billion)
  - FIG 10. Global Nano Fertilizer Market by segment, 2019 & 2029 (USD Billion)
  - FIG 11. Global Nano Fertilizer Market by segment, 2019 & 2029 (USD Billion)
  - FIG 12. Global Nano Fertilizer Market by segment, 2019 & 2029 (USD Billion)
  - FIG 13. Global Nano Fertilizer Market by segment, 2019 & 2029 (USD Billion)
  - FIG 14. Global Nano Fertilizer Market, regional snapshot 2019 & 2029
  - FIG 15. North America Nano Fertilizer Market 2019 & 2029 (USD Billion)
  - FIG 16. Europe Nano Fertilizer Market 2019 & 2029 (USD Billion)
  - FIG 17. Asia pacific Nano Fertilizer Market 2019 & 2029 (USD Billion)
  - FIG 18. Latin America Nano Fertilizer Market 2019 & 2029 (USD Billion)
  - FIG 19. Global Nano Fertilizer Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global Nano Fertilizer Market Size study & Forecast, by Raw Material (Nitrogen, Silver, Carbon, Zinc, Others) by Application (Cereals & Grains, Oilseeds & Pulses, Fruits & Vegetables, Others), by Method of Application (Spray or Foliar, Soil) and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/GADE077958DAEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GADE077958DAEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970