

# **Earthworm Powder Market Forecasts to 2030 – Global Analysis By Form (Raw Powder, Fermented Powder, Spray-Dried Powder, Encapsulated Powder, Fine Powder, Coarse Powder and Other Forms), Source, Distribution Channel, Application and By Geography**

<https://marketpublishers.com/r/EC29BDBC55E2EN.html>

Date: April 2025

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: EC29BDBC55E2EN

## **Abstracts**

According to Statistics MRC, the Global Earthworm Powder Market is accounted for \$1.52 billion in 2024 and is expected to reach \$1.92 billion by 2030 growing at a CAGR of 10.5% during the forecast period. Earthworm powder is a product derived from earthworms, typically through processes such as sun-drying, oven-drying, or freeze-drying. It has been utilized in traditional medicine for its therapeutic properties and as a livestock feed supplement due to its high protein content and bioactive compounds. In traditional Chinese medicine, dried earthworm powder has been used to treat various conditions, including convulsions, fevers, and certain types of arthritis.

According to the report by researchers at University College Dublin, Earthworms powder contributes approximately 6.5% of the total yield and about 2.3% of legume production, accounting for more than 140 million metric tons annually.

Market Dynamics:

Driver:

Growing awareness of soil health among farmers

As farmers recognize the importance of maintaining soil fertility, they seek sustainable solutions like earthworm powder, which improves soil structure, boosts microbial activity, and enhances nutrient availability. Earthworm powder is rich in enzymes,

proteins, and beneficial microorganisms that promote plant growth, reduce dependence on chemical fertilizers, and increase crop yields. Additionally, as governments and agricultural organizations promote eco-friendly farming practices, the demand for earthworm powder rises, further propelling market growth in both organic and conventional farming sectors.

#### Restraint:

##### Limited awareness and availability

Limited awareness and availability of earthworm powder stem from a lack of consumer knowledge, insufficient marketing, and restricted distribution channels. Many farmers and industries remain unaware of its benefits, limiting adoption. Additionally, production challenges, including sourcing, processing, and regulatory approvals, contribute to inconsistent supply. This hampers market growth by restricting demand, reducing scalability, and discouraging investments.

#### Opportunity:

##### Expansion into functional foods and dietary supplements

Rich in essential nutrients, earthworm powder is gaining traction in the health and wellness industry for its potential benefits, including immune support, anti-inflammatory properties, and improved digestion. As consumer demand for natural, protein-rich supplements rises, companies are incorporating earthworm-derived products into functional foods and nutraceuticals. This diversification into the wellness sector enhances market reach, driving demand and boosting overall market growth.

#### Threat:

##### Increasing adoption of vegan lifestyles

With a rising global preference for plant-based alternatives in food, supplements, and agriculture, demand for animal-derived products like earthworm powder declines. Vegan consumers and businesses seek plant-based proteins and fertilizers, reducing market penetration. Additionally, ethical concerns regarding insect and animal exploitation further limit adoption. As veganism continues to grow, earthworm powder faces challenges in maintaining its market share in the evolving health and sustainability sectors.

### Covid-19 Impact:

The covid-19 pandemic had a mixed impact on the earthworm powder market. Initially, supply chain disruptions and economic uncertainties hindered production and distribution. However, the pandemic heightened awareness of sustainable and organic farming practices, leading to increased demand for natural soil amendments like earthworm powder. Despite early challenges, the emphasis on sustainable agriculture during the pandemic provided growth opportunities for the Earthworm Powder market.

The spray-dried powder segment is expected to be the largest during the forecast period

The spray-dried powder segment is expected to account for the largest market share during the forecast period. Spray-dried earthworm powder is a nutrient-rich supplement made by processing earthworms into a fine, dry powder. It is rich in proteins, amino acids, and essential minerals, making it a valuable ingredient in animal feed, aquaculture, and organic fertilizers. Known for boosting growth and immunity in livestock and fish, it is an eco-friendly, sustainable protein source gaining popularity in agriculture and pet food industries.

The animal feed segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the animal feed segment is predicted to witness the highest growth rate. Earthworm powder is a nutrient-rich supplement used in animal feed to enhance growth, immunity, and digestion. It is packed with high-quality proteins, essential amino acids, vitamins, and minerals, promoting better weight gain and feed efficiency in livestock, poultry, and aquaculture. Sustainable and eco-friendly, earthworm powder is an excellent alternative protein source, contributing to improved animal performance and overall farm productivity.

### Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share driven by its extensive agricultural base and increasing adoption of sustainable farming practices. Countries like China and India are major contributors, leveraging earthworm powder to enhance soil fertility and boost crop yields. The region's expanding pharmaceutical and cosmetic industries also utilize earthworm powder for its

bioactive compounds, further propelling market growth.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR is expected to witness the highest CAGR over the forecast period due to a strong demand for organic and sustainable farming practices, particularly in the United States and Canada. Additionally, the region's well-established agricultural sector and growing consumer preference for eco-friendly products contribute to market growth. The emphasis on sustainable agriculture and environmental stewardship further propels the adoption of earthworm powder in North America.

Key players in the market

Some of the key players in Earthworm Powder market include Earthworm Foundation, Tebrito AB, Goterra, Nature's Healing Remedies, Inc., VermiCo, AgroCo, BioBlend, Peilin Biological Technology Corporation, Eisenia Corporation, Vermitech Solutions, Green Earthworm Farms, Worm Power, Taj Agro International, Viet Delta Industrial Company and Unco Industries.

Key Developments:

In December 2024, The Earthworm Foundation partnered with Nature-based Insights to assist companies in achieving net-zero and nature-positive goals. This collaboration aims to provide a comprehensive framework for corporate commitments, addressing nature loss, climate change, and supporting local communities within supply chains.

Forms Covered:

Raw Powder

Fermented Powder

Spray-Dried Powder

Encapsulated Powder

Fine Powder

Coarse Powder

Other Forms

Sources Covered:

Red Worms

African Nightcrawlers

Canadian Nightcrawlers

Other Sources

Distribution Channels Covered:

E-commerce Platforms

Specialty Stores

Direct Sales

Wholesale & Distributors

Other Distribution Channels

Applications Covered:

Pharmaceuticals & Nutraceuticals

Animal Feed

Cosmetics & Personal Care

Fertilizers

Food & Beverages

Other Applications

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments

- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

#### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

#### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

#### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 Emerging Markets
- 3.8 Impact of Covid-19

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

### **5 GLOBAL EARTHWORM POWDER MARKET, BY FORM**

- 5.1 Introduction
- 5.2 Raw Powder
- 5.3 Fermented Powder
- 5.4 Spray-Dried Powder
- 5.5 Encapsulated Powder
- 5.6 Fine Powder
- 5.7 Coarse Powder
- 5.8 Other Forms

## **6 GLOBAL EARTHWORM POWDER MARKET, BY SOURCE**

- 6.1 Introduction
- 6.2 Red Worms
- 6.3 African Nightcrawlers
- 6.4 Canadian Nightcrawlers
- 6.5 Other Sources

## **7 GLOBAL EARTHWORM POWDER MARKET, BY DISTRIBUTION CHANNEL**

- 7.1 Introduction
- 7.2 E-commerce Platforms
- 7.3 Specialty Stores
- 7.4 Direct Sales
- 7.5 Wholesale & Distributors
- 7.6 Other Distribution Channels

## **8 GLOBAL EARTHWORM POWDER MARKET, BY APPLICATION**

- 8.1 Introduction
- 8.2 Pharmaceuticals & Nutraceuticals
- 8.3 Animal Feed
- 8.4 Cosmetics & Personal Care
- 8.5 Fertilizers
- 8.6 Food & Beverages
- 8.7 Other Applications

## **9 GLOBAL EARTHWORM POWDER MARKET, BY GEOGRAPHY**

- 9.1 Introduction
- 9.2 North America
  - 9.2.1 US
  - 9.2.2 Canada
  - 9.2.3 Mexico
- 9.3 Europe
  - 9.3.1 Germany
  - 9.3.2 UK
  - 9.3.3 Italy
  - 9.3.4 France
  - 9.3.5 Spain
  - 9.3.9 Rest of Europe
- 9.4 Asia Pacific
  - 9.4.1 Japan
  - 9.4.2 China
  - 9.4.3 India
  - 9.4.4 Australia
  - 9.4.5 New Zealand
  - 9.4.9 South Korea
  - 9.4.7 Rest of Asia Pacific
- 9.5 South America
  - 9.5.1 Argentina
  - 9.5.2 Brazil
  - 9.5.3 Chile
  - 9.5.4 Rest of South America
- 9.9 Middle East & Africa
  - 9.9.1 Saudi Arabia
  - 9.9.2 UAE
  - 9.9.3 Qatar
  - 9.9.4 South Africa
  - 9.9.5 Rest of Middle East & Africa

## **10 KEY DEVELOPMENTS**

- 10.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 10.2 Acquisitions & Mergers
- 10.3 New Product Launch
- 10.4 Expansions
- 10.5 Other Key Strategies

## **11 COMPANY PROFILING**

- 11.1 Earthworm Foundation
- 11.2 Tebrito AB
- 11.3 Goterra
- 11.4 Nature's Healing Remedies, Inc.
- 11.5 VermiCo
- 11.6 AgroCo
- 11.7 BioBlend
- 11.8 Peilin Biological Technology Corporation
- 11.9 Eisenia Corporation
- 11.10 Vermitech Solutions
- 11.11 Green Earthworm Farms
- 11.12 Worm Power
- 11.13 Taj Agro International
- 11.14 Viet Delta Industrial Company
- 11.15 Unco Industries

## List Of Tables

### LIST OF TABLES

Table 1 Global Earthworm Powder Market Outlook, By Region (2022-2030) (\$MN)

Table 2 Global Earthworm Powder Market Outlook, By Form (2022-2030) (\$MN)

Table 3 Global Earthworm Powder Market Outlook, By Raw Powder (2022-2030) (\$MN)

Table 4 Global Earthworm Powder Market Outlook, By Fermented Powder (2022-2030) (\$MN)

Table 5 Global Earthworm Powder Market Outlook, By Spray-Dried Powder (2022-2030) (\$MN)

Table 6 Global Earthworm Powder Market Outlook, By Encapsulated Powder (2022-2030) (\$MN)

Table 7 Global Earthworm Powder Market Outlook, By Fine Powder (2022-2030) (\$MN)

Table 8 Global Earthworm Powder Market Outlook, By Coarse Powder (2022-2030) (\$MN)

Table 9 Global Earthworm Powder Market Outlook, By Other Forms (2022-2030) (\$MN)

Table 10 Global Earthworm Powder Market Outlook, By Source (2022-2030) (\$MN)

Table 11 Global Earthworm Powder Market Outlook, By Red Worms (2022-2030) (\$MN)

Table 12 Global Earthworm Powder Market Outlook, By African Nightcrawlers (2022-2030) (\$MN)

Table 13 Global Earthworm Powder Market Outlook, By Canadian Nightcrawlers (2022-2030) (\$MN)

Table 14 Global Earthworm Powder Market Outlook, By Other Sources (2022-2030) (\$MN)

Table 15 Global Earthworm Powder Market Outlook, By Distribution Channel (2022-2030) (\$MN)

Table 16 Global Earthworm Powder Market Outlook, By E-commerce Platforms (2022-2030) (\$MN)

Table 17 Global Earthworm Powder Market Outlook, By Specialty Stores (2022-2030) (\$MN)

Table 18 Global Earthworm Powder Market Outlook, By Direct Sales (2022-2030) (\$MN)

Table 19 Global Earthworm Powder Market Outlook, By Wholesale & Distributors (2022-2030) (\$MN)

Table 20 Global Earthworm Powder Market Outlook, By Other Distribution Channels (2022-2030) (\$MN)

Table 21 Global Earthworm Powder Market Outlook, By Application (2022-2030) (\$MN)

Table 22 Global Earthworm Powder Market Outlook, By Pharmaceuticals &

Nutraceuticals (2022-2030) (\$MN)

Table 23 Global Earthworm Powder Market Outlook, By Animal Feed (2022-2030) (\$MN)

Table 24 Global Earthworm Powder Market Outlook, By Cosmetics & Personal Care (2022-2030) (\$MN)

Table 25 Global Earthworm Powder Market Outlook, By Fertilizers (2022-2030) (\$MN)

Table 26 Global Earthworm Powder Market Outlook, By Food & Beverages (2022-2030) (\$MN)

Table 27 Global Earthworm Powder Market Outlook, By Other Applications (2022-2030) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

## I would like to order

Product name: Earthworm Powder Market Forecasts to 2030 – Global Analysis By Form (Raw Powder, Fermented Powder, Spray-Dried Powder, Encapsulated Powder, Fine Powder, Coarse Powder and Other Forms), Source, Distribution Channel, Application and By Geography

Product link: <https://marketpublishers.com/r/EC29BDBC55E2EN.html>

Price: US\$ 4,150.00 (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/EC29BDBC55E2EN.html>