

Trace Minerals in Feed Market Forecasts to 2032 – Global Analysis By Type (Zinc, Iron, Copper, Manganese, Iodine, Selenium, Cobalt, Chromium, Molybdenum and Other Types), Source, Form, Animal Type, Application and By Geography

<https://marketpublishers.com/r/TC12F8FB425AEN.html>

Date: April 2025

Pages: 150

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

ID: TC12F8FB425AEN

Abstracts

According to Statistics MRC, the Global Trace Minerals in Feed Market is accounted for \$622 million in 2025 and is expected to reach \$918 million by 2032, growing at a CAGR of 5.7% during the forecast period. The growth, reproduction, and general health of livestock depend on trace minerals, which are vital micronutrients needed in trace amounts in feed. Zinc, copper, selenium, iron, iodine, and manganese are among these minerals. They are essential for metabolic processes, immunological response, and enzyme activity, although they are required in trace levels. In livestock systems, proper trace mineral supplementation in animal feed guarantees maximum output, resistance to disease, and enhanced feed efficiency.

According to data from the Food and Agriculture Organization (FAO), China's meat production rose from 25.2 million metric tons in 2022 to 26.4 million metric tons in 2023.

Market Dynamics:

Driver:

Increased awareness of animal health and productivity

Animal productivity and health are becoming increasingly important, which is fueling the trace mineral market in feed. A large number of farmers and livestock producers are realizing how crucial trace minerals like zinc, iron, and selenium are for enhancing

animal immune systems, reproductive health, and general health. Additionally, the increased demand for premium animal protein has made effective livestock production more crucial, which has prompted the use of diets high in minerals. This awareness helps the market grow by ensuring animals thrive.

Restraint:

High cost of certain trace minerals

The high price of several trace minerals hinders market growth. Minerals such as cobalt and selenium frequently demand sophisticated extraction and processing methods, which raises their cost. Supply chain interruptions and variable raw material prices further compound this problem. Additionally, gaining market share is difficult because of this financial barrier, especially in developing nations. The inability of smaller livestock producers to purchase high-quality mineral supplements may restrict broader adoption.

Opportunity:

Increasing use of precision feeding technologies

The feed market for trace minerals has a big opportunity due to precision feeding technologies. These cutting-edge devices improve feed efficiency and cut waste by enabling optimal nutrition delivery catered to the needs of each individual animal. Additionally, new mineral formulations that improve nutritional absorption in animals include chelated minerals for increased bioavailability. Precision feeding technology presents a profitable growth path since it improves cattle productivity and health while also supporting sustainability objectives.

Threat:

Stringent and changing regulatory landscape

The strict and changing regulatory environment threatens trace minerals in the feed market. To avoid overuse and environmental damage, governments around the world place stringent restrictions on the amount of mineral inclusion. Furthermore, adhering to disparate international standards presents challenges for multinational producers. These difficulties raise the cost of production and might stifle creativity in novel formulations. Regulations moving toward plant-based protein substitutes may also lessen the need for conventional animal feed additives.

Covid-19 Impact:

The trace mineral market in feed was severely impacted by the COVID-19 epidemic. Due to restaurant closures and decreased meat consumption, lockdowns had an effect on feed demand and livestock production. Delays in the supply chain made problems worse by postponing the fabrication and acquisition of minerals. Numerous feed companies had short-term closures, which led to losses. But the market started to recover gradually as regulations relaxed and customer preferences became more common.

The iron segment is expected to be the largest during the forecast period

The iron segment is expected to account for the largest market share during the forecast period. Iron is essential for preventing anemia and improving oxygen transport in livestock, especially swine and ruminants. Its affordability and broad availability in inorganic forms, such as ferrous sulfate, influence feed producers' preferences. Furthermore, growing hog production in Asia Pacific and the increasing prevalence of iron deficiency in high-growth breeds support demand. New developments in encapsulated iron formulations that enhance absorption and lessen gastrointestinal problems reinforce its market dominance. The approval of iron fortification in feed by regulatory bodies highlights how essential it is to contemporary animal husbandry.

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

Over the forecast period, the poultry segment is predicted to witness the highest growth rate. This is due to the increasing global demand for reasonably priced protein and eggs. Trace elements like zinc and manganese, which complement intensive farming methods, improve poultry growth rates, feather quality, and disease resistance. Antibiotic reduction measures in places like North America and Europe further increase the demand for mineral-based health supplements. For large-scale poultry farms, premix methods have advanced to assure consistent mineral distribution in feed. The market is also growing due to rising investments in broiler and layer production in emerging economies.

Region with largest share:

During the forecast period, the Europe region is expected to hold the largest market share due to strict EU laws governing animal care and feed safety. Increased consumer

knowledge of sustainable techniques and meat quality promotes the use of organic trace minerals. Strong R&D investments in France and Germany also produce advanced mineral formulations for the dairy and poultry industries. The region's focus on reducing antibiotic usage in cattle increases demand for minerals that strengthen the immune system. To become carbon neutral, governments and feed producers are working together to further solidify Europe's leadership.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR due to growing cattle numbers in China, India, and Vietnam. Mineral-enriched diets are required as the demand for meat, dairy, and aquaculture products rises due to urbanization and rising disposable incomes. Government initiatives that support modern farming methods and animal nutrition hasten adoption. Increasing livestock product exports also forces producers to fulfill global quality requirements, which encourages the use of premium minerals. Furthermore, local firms and international feed giants form strategic alliances that increase market penetration and set up the area for rapid expansion.

Key players in the market

Some of the key players in Trace Minerals in Feed Market include Cargill, Inc., Archer Daniels Midland Company (ADM), DSM-Firmenich, BASF SE, Nutreco (SHV Holdings), Alltech, Inc., Zinpro Corporation, Kemin Industries, Inc., Bluestar Adisseo Company, Novus International, Inc., Phibro Animal Health Corporation, Balchem Corporation, Pancosma, Biochem GmbH, Vetagro S.p.A., Lucta S.A., Jefe Nutrition Inc., and QualiTech, Inc.

Key Developments:

In February 2025, Alltech announced the continued use of its attenuated total reflectance Fourier transform infrared spectroscopy (ATR-FTIR) chelation assay. This validated method ensures that trace mineral chelates meet EU regulatory requirements, enhancing their safety and efficacy characteristics.

In November 2024, DSM-Firmenich's Animal Nutrition & Health division partnered with Format Solutions to integrate Sustell™, a life cycle assessment (LCA) platform, with feed formulation software. This collaboration aims to quantify and manage the environmental impact of animal feed, assisting producers in meeting sustainability targets.

In June 2024, DSM-Firmenich launched a shrimp module for Sustell™, allowing shrimp farmers to map and reduce the environmental footprint of their operations.

Types Covered:

Zinc

Iron

Copper

Manganese

Iodine

Selenium

Cobalt

Chromium

Molybdenum

Other Types

Sources Covered:

Inorganic

Organic

Forms Covered:

Dry

Liquid

Animal Types Covered:

Poultry

Livestock

Aquaculture

Companion Animals

Applications Covered:

Premixes

Complete Feed

Supplements

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 2024, 2025, 2026, 2028, and 2032
- 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 TRACE MINERALS IN FEED MARKET, BY TYPE

Trace Minerals in Feed Market Forecasts to 2032 – Global Analysis By Type (Zinc, Iron, Copper, Manganese, Iodi...

- 5.1 Introduction
- 5.2 Zinc
- 5.3 Iron
- 5.4 Copper
- 5.5 Manganese
- 5.6 Iodine
- 5.7 Selenium
- 5.8 Cobalt
- 5.9 Chromium
- 5.10 Molybdenum
- 5.11 Other Types

6 GLOBAL TRACE MINERALS IN FEED MARKET, BY SOURCE

- 6.1 Introduction
- 6.2 Inorganic
 - 6.2.1 Sulfates
 - 6.2.2 Chlorides
 - 6.2.3 Oxides
 - 6.2.4 Other Inorganic Forms
- 6.3 Organic
 - 6.3.1 Chelated
 - 6.3.1.1 Amino Acid Chelates
 - 6.3.1.2 Proteinates
 - 6.3.1.3 Polysaccharides
 - 6.3.1.4 Other Chelate Types
 - 6.3.2 Other Organic Forms

7 GLOBAL TRACE MINERALS IN FEED MARKET, BY FORM

- 7.1 Introduction
- 7.2 Dry
- 7.3 Liquid

8 GLOBAL TRACE MINERALS IN FEED MARKET, BY ANIMAL TYPE

- 8.1 Introduction
- 8.2 Poultry

- 8.2.1 Broilers
- 8.2.2 Layers
- 8.2.3 Turkeys
- 8.2.4 Other Poultry
- 8.3 Livestock
 - 8.3.1 Cattle
 - 8.3.1.1 Dairy Cattle
 - 8.3.1.2 Beef Cattle
 - 8.3.2 Swine
 - 8.3.2.1 Growers
 - 8.3.2.2 Finishers
 - 8.3.2.3 Sows
 - 8.3.3 Sheep & Goats
 - 8.3.4 Other Livestock
- 8.4 Aquaculture
 - 8.4.1 Finfish
 - 8.4.2 Crustaceans
 - 8.4.3 Other Aquaculture
- 8.5 Companion Animals
 - 8.5.1 Dogs
 - 8.5.2 Cats
 - 8.5.3 Other Companion Animals

9 GLOBAL TRACE MINERALS IN FEED MARKET, BY APPLICATION

- 9.1 Introduction
- 9.2 Premixes
- 9.3 Complete Feed
- 9.4 Supplements
- 9.5 Other Applications

10 GLOBAL TRACE MINERALS IN FEED MARKET, BY GEOGRAPHY

- 10.1 Introduction
- 10.2 North America
 - 10.2.1 US
 - 10.2.2 Canada
 - 10.2.3 Mexico
- 10.3 Europe

- 10.3.1 Germany
- 10.3.2 UK
- 10.3.3 Italy
- 10.3.4 France
- 10.3.5 Spain
- 10.3.6 Rest of Europe
- 10.4 Asia Pacific
 - 10.4.1 Japan
 - 10.4.2 China
 - 10.4.3 India
 - 10.4.4 Australia
 - 10.4.5 New Zealand
 - 10.4.6 South Korea
 - 10.4.7 Rest of Asia Pacific
- 10.5 South America
 - 10.5.1 Argentina
 - 10.5.2 Brazil
 - 10.5.3 Chile
 - 10.5.4 Rest of South America
- 10.6 Middle East & Africa
 - 10.6.1 Saudi Arabia
 - 10.6.2 UAE
 - 10.6.3 Qatar
 - 10.6.4 South Africa
 - 10.6.5 Rest of Middle East & Africa

11 KEY DEVELOPMENTS

- 11.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 11.2 Acquisitions & Mergers
- 11.3 New Product Launch
- 11.4 Expansions
- 11.5 Other Key Strategies

12 COMPANY PROFILING

- 12.1 Cargill, Inc.
- 12.2 Archer Daniels Midland Company (ADM)
- 12.3 DSM-Firmenich

- 12.4 BASF SE
- 12.5 Nutreco (SHV Holdings)
- 12.6 Alltech, Inc.
- 12.7 Zinpro Corporation
- 12.8 Kemin Industries, Inc.
- 12.9 Bluestar Adisseo Company
- 12.10 Novus International, Inc.
- 12.11 Phibro Animal Health Corporation
- 12.12 Balchem Corporation
- 12.13 Pancosma
- 12.14 Biochem GmbH
- 12.15 Vetagro S.p.A.
- 12.16 Lucta S.A.
- 12.17 Jefe Nutrition Inc.
- 12.18 QualiTech, Inc.

List Of Tables

LIST OF TABLES

- 1 Global Trace Minerals in Feed Market Outlook, By Region (2024-2032) (\$MN)
- 2 Global Trace Minerals in Feed Market Outlook, By Type (2024-2032) (\$MN)
- 3 Global Trace Minerals in Feed Market Outlook, By Zinc (2024-2032) (\$MN)
- 4 Global Trace Minerals in Feed Market Outlook, By Iron (2024-2032) (\$MN)
- 5 Global Trace Minerals in Feed Market Outlook, By Copper (2024-2032) (\$MN)
- 6 Global Trace Minerals in Feed Market Outlook, By Manganese (2024-2032) (\$MN)
- 7 Global Trace Minerals in Feed Market Outlook, By Iodine (2024-2032) (\$MN)
- 8 Global Trace Minerals in Feed Market Outlook, By Selenium (2024-2032) (\$MN)
- 9 Global Trace Minerals in Feed Market Outlook, By Cobalt (2024-2032) (\$MN)
- 10 Global Trace Minerals in Feed Market Outlook, By Chromium (2024-2032) (\$MN)
- 11 Global Trace Minerals in Feed Market Outlook, By Molybdenum (2024-2032) (\$MN)
- 12 Global Trace Minerals in Feed Market Outlook, By Other Types (2024-2032) (\$MN)
- 13 Global Trace Minerals in Feed Market Outlook, By Source (2024-2032) (\$MN)
- 14 Global Trace Minerals in Feed Market Outlook, By Inorganic (2024-2032) (\$MN)
- 15 Global Trace Minerals in Feed Market Outlook, By Sulfates (2024-2032) (\$MN)
- 16 Global Trace Minerals in Feed Market Outlook, By Chlorides (2024-2032) (\$MN)
- 17 Global Trace Minerals in Feed Market Outlook, By Oxides (2024-2032) (\$MN)
- 18 Global Trace Minerals in Feed Market Outlook, By Other Inorganic Forms (2024-2032) (\$MN)
- 19 Global Trace Minerals in Feed Market Outlook, By Organic (2024-2032) (\$MN)
- 20 Global Trace Minerals in Feed Market Outlook, By Chelated (2024-2032) (\$MN)
- 21 Global Trace Minerals in Feed Market Outlook, By Other Organic Forms (2024-2032) (\$MN)
- 22 Global Trace Minerals in Feed Market Outlook, By Form (2024-2032) (\$MN)
- 23 Global Trace Minerals in Feed Market Outlook, By Dry (2024-2032) (\$MN)
- 24 Global Trace Minerals in Feed Market Outlook, By Liquid (2024-2032) (\$MN)
- 25 Global Trace Minerals in Feed Market Outlook, By Animal Type (2024-2032) (\$MN)
- 26 Global Trace Minerals in Feed Market Outlook, By Poultry (2024-2032) (\$MN)
- 27 Global Trace Minerals in Feed Market Outlook, By Broilers (2024-2032) (\$MN)
- 28 Global Trace Minerals in Feed Market Outlook, By Layers (2024-2032) (\$MN)
- 29 Global Trace Minerals in Feed Market Outlook, By Turkeys (2024-2032) (\$MN)
- 30 Global Trace Minerals in Feed Market Outlook, By Other Poultry (2024-2032) (\$MN)
- 31 Global Trace Minerals in Feed Market Outlook, By Livestock (2024-2032) (\$MN)
- 32 Global Trace Minerals in Feed Market Outlook, By Cattle (2024-2032) (\$MN)
- 33 Global Trace Minerals in Feed Market Outlook, By Swine (2024-2032) (\$MN)

34 Global Trace Minerals in Feed Market Outlook, By Sheep & Goats (2024-2032) (\$MN)

35 Global Trace Minerals in Feed Market Outlook, By Other Livestock (2024-2032) (\$MN)

36 Global Trace Minerals in Feed Market Outlook, By Aquaculture (2024-2032) (\$MN)

37 Global Trace Minerals in Feed Market Outlook, By Finfish (2024-2032) (\$MN)

38 Global Trace Minerals in Feed Market Outlook, By Crustaceans (2024-2032) (\$MN)

39 Global Trace Minerals in Feed Market Outlook, By Other Aquaculture (2024-2032) (\$MN)

40 Global Trace Minerals in Feed Market Outlook, By Companion Animals (2024-2032) (\$MN)

41 Global Trace Minerals in Feed Market Outlook, By Dogs (2024-2032) (\$MN)

42 Global Trace Minerals in Feed Market Outlook, By Cats (2024-2032) (\$MN)

43 Global Trace Minerals in Feed Market Outlook, By Other Companion Animals (2024-2032) (\$MN)

44 Global Trace Minerals in Feed Market Outlook, By Application (2024-2032) (\$MN)

45 Global Trace Minerals in Feed Market Outlook, By Premixes (2024-2032) (\$MN)

46 Global Trace Minerals in Feed Market Outlook, By Complete Feed (2024-2032) (\$MN)

47 Global Trace Minerals in Feed Market Outlook, By Supplements (2024-2032) (\$MN)

48 Global Trace Minerals in Feed Market Outlook, By Other Applications (2024-2032) (\$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: Trace Minerals in Feed Market Forecasts to 2032 – Global Analysis By Type (Zinc, Iron, Copper, Manganese, Iodine, Selenium, Cobalt, Chromium, Molybdenum and Other Types), Source, Form, Animal Type, Application and By Geography

Product link: <https://marketpublishers.com/r/TC12F8FB425AEN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/TC12F8FB425AEN.html>