

Global Nutritional Ingredients in Animal Feed Market Size study, by Ingredient Type (Vitamins, Minerals, Amino Acids), by Livestock (Poultry, Swine, Cattle) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G80A3D9437DFEN.html>

Date: April 2025

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G80A3D9437DFEN

Abstracts

Global Nutritional Ingredients in Animal Feed Market is valued at approximately USD 98.79 billion in 2023 and is anticipated to grow with a compound annual growth rate of more than 7.00% over the forecast period 2024-2032. In the ever-evolving realm of animal husbandry, the inclusion of nutritional ingredients in animal feed has emerged as a pivotal strategy for driving performance, enhancing immunity, and optimizing productivity across a broad spectrum of livestock categories. These feed additives—chiefly comprising amino acids, vitamins, and minerals—serve as foundational elements of scientifically engineered feed regimens aimed at promoting better growth rates, reproductive health, and disease resistance. As livestock producers and integrators globally navigate through the intertwined challenges of rising feed costs, regulatory constraints, and consumer demand for antibiotic-free meat, the shift toward fortified, functional nutrition has never been more imperative.

As consumer expectations converge on transparency and quality, animal producers are increasingly leaning on precision nutrition as a tool for optimizing efficiency and profitability. Vitamins play a vital role in improving bone development and egg production in poultry, while minerals like zinc, selenium, and calcium are essential for enzymatic activity and metabolic function. Likewise, amino acids such as lysine, methionine, and tryptophan contribute significantly to muscle growth, protein synthesis, and nitrogen balance, making them indispensable in swine and cattle diets. The market has witnessed a transition from traditional supplementation to customized premix solutions, engineered with bioavailability, digestibility, and species-specific outcomes in mind.

Technological advancements in feed formulation have been transformative. Next-generation nutrient delivery systems—such as microencapsulation and slow-release compounds—are enabling improved absorption while reducing nutrient losses during processing and digestion. Additionally, digital tools in precision livestock farming now allow producers to monitor intake and performance metrics in real-time, refining feed rations dynamically for each livestock group. Such progress in feed science has led to a surge in demand for nutritionally dense, functionally tailored formulations that can address growth bottlenecks without reliance on synthetic growth promoters.

At the industry level, competition has intensified with companies channeling capital into R&D, sustainability-driven innovations, and strategic alliances. A surge in mergers and acquisitions is reshaping the nutritional feed landscape, as firms seek to expand their portfolios and geographic reach. Sustainability is becoming a defining theme—both in sourcing raw materials for feed ingredients and in minimizing the environmental impact of intensive animal farming. Producers are increasingly leaning on solutions that reduce methane emissions in ruminants or enhance nutrient uptake to curb excretion waste.

Regionally, Asia Pacific holds a commanding position, with countries like China and India driving volumes through their expansive poultry and dairy sectors. Government-led initiatives to improve animal productivity and combat malnutrition in livestock are further accelerating the uptake of enriched feed ingredients. Meanwhile, North America continues to pioneer innovation in amino acid formulations and vitamin blends, supported by its robust regulatory frameworks and tech-integrated production systems. Europe, with its strict regulations on antibiotic usage, is propelling demand for natural and organic nutrition inputs. Latin America and the Middle East & Africa are witnessing gradual adoption, buoyed by expanding commercial farming operations and rising protein consumption trends.

Major market player included in this report are:

Cargill, Incorporated

BASF SE

DSM Nutritional Products AG

Archer Daniels Midland Company

Novus International Inc.

Evonik Industries AG

Alltech Inc.

Adisseo

Phibro Animal Health Corporation

Nutreco N.V.

Kemin Industries, Inc.

Zinpro Corporation

Elanco Animal Health

Lallemand Inc.

Bluestar Adisseo Company

The detailed segments and sub-segment of the market are explained below:

By Ingredient Type

Vitamins

Minerals

Amino Acids

By Livestock

Poultry

Swine

Cattle

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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