

Global Animal Feed Plant Based Protein Isolate Market Size study, by Source (Soybean Protein, Sunflower Protein, Pea Protein), Form, Application (Poultry Feed, Aquaculture Feed, Pet Food), and Regional Forecasts 2022-2032

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Abstracts

Global Animal Feed Plant Based Protein Isolate Market is valued approximately at USD 2.06 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.10% over the forecast period 2024-2032. The shift in global livestock nutrition strategies toward more sustainable and ethically sourced ingredients has amplified the significance of plant-based protein isolates in animal feed production. As protein demand skyrockets across commercial poultry, aquaculture, and pet food segments, plant-derived proteins are emerging as cost-efficient, digestible, and allergen-free alternatives to conventional animal-based meals. Offering an attractive nutritional profile and superior amino acid composition, isolates sourced from soy, sunflower, and peas are helping to meet both economic and environmental imperatives in modern animal husbandry.

With feed manufacturers pivoting away from fishmeal and meat-based protein due to price volatility, regulatory constraints, and ethical concerns, the market for plant-based protein isolates is undergoing accelerated adoption. Soy protein remains the most prominent due to its high lysine content and well-established processing infrastructure, while pea and sunflower proteins are gaining attention for their hypoallergenic and functional properties. Notably, demand is surging within aquaculture feed and pet food industries, which seek precision nutrition, high palatability, and minimal environmental impact. Furthermore, plant-based protein isolates support gut health and improved immunity, positioning them as viable ingredients in antibiotic-free feed formulations.

Technological innovations are amplifying the appeal of these isolates. From enzymatic hydrolysis and membrane filtration to extrusion and microencapsulation, advanced processing techniques are helping to enhance protein bioavailability, eliminate anti-nutritional factors, and preserve thermal stability during pelleting. Players in the market are heavily investing in proprietary isolate formulations customized for species-specific digestion profiles and lifecycle stages—offering targeted solutions for broilers, shrimp, or companion animals. Strategic collaborations between agri-tech innovators and feed manufacturers are accelerating these advancements while aligning with sustainability goals and global protein security initiatives.

From a geographic standpoint, Asia Pacific commands the lion's share of the market, supported by its rapidly expanding livestock and aquaculture sectors, especially in countries like China, India, and Vietnam. Europe follows closely with a strong focus on alternative protein technologies, bolstered by supportive regulatory frameworks and consumer-driven preferences for organic and clean-label animal products. North America is also witnessing significant traction owing to rising pet humanization trends and growth in specialty feed applications. Meanwhile, Latin America and the Middle East & Africa are gradually integrating plant-based proteins into their feed ecosystems to reduce import dependence and elevate protein self-sufficiency.

Major market player included in this report are:

Cargill, Incorporated

DuPont de Nemours, Inc.

Roquette Frères

Ingredion Incorporated

Glanbia plc

Kerry Group plc

The Scoular Company

Archer Daniels Midland Company (ADM)

Burcon NutraScience Corporation

Axiom Foods, Inc.

Batory Foods

BENEO GmbH

Sotexpro SA

Emsland Group

Vestkorn Milling AS

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

By Source

Soybean Protein

Sunflower Protein

Pea Protein

By Form

Dry

Liquid

By Application

Poultry Feed

Aquaculture Feed

Pet Food

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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