

Plant Protein Ingredients Market Forecasts to 2034 - Global Analysis By Type (Isolates, Concentrates, Textured Proteins and Hydrolyzed Proteins), Source, Form, Functionality, Application and By Geography

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Abstracts

According to Statistics MRC, the Global Plant Protein Ingredients Market is accounted for \$16.7 billion in 2026 and is expected to reach \$30.4 billion by 2034 growing at a CAGR of 7.8% during the forecast period. Plant protein ingredients are obtained from sources including soybeans, peas, cereals, and legumes, offering nutritional value and functional advantages for diverse applications. Increasing demand for plant-based diets, environmentally friendly food options, and healthier formulations has accelerated their usage in the food and beverage sector. These ingredients help improve protein levels while serving as sustainable substitutes for conventional animal-derived proteins. They are incorporated into products such as nutritional powders, alternative meat products, snacks, baked goods, and functional drinks. Continuous developments in processing methods have improved the sensory characteristics, performance, and consumer acceptance of plant protein ingredients, encouraging their expansion in global markets.

According to the Food and Agriculture Organization (FAO), global pulse production reached close to 96 million tonnes in 2022, and production is forecasted to increase to 125 million tonnes by 2032. Pulses such as lentils, beans, chickpeas, and cowpeas are important plant-based protein sources, supporting the availability of raw materials for plant protein ingredient production.

Market Dynamics:

Driver:

Rising demand for plant-based and vegan foods

Growing consumer interest in vegan, vegetarian, and flexible dietary patterns is significantly supporting the expansion of the plant protein ingredients market. Increased awareness regarding sustainable eating habits, personal health benefits, and animal welfare concerns has encouraged consumers to seek plant-derived protein sources. Ingredients obtained from peas, soy, rice, and other crops are increasingly utilized in meat alternatives, functional beverages, and dietary products. Food companies are developing innovative formulations to meet the rising demand for natural and protein-enriched products. The shift toward environmentally responsible and clean-label foods continues to strengthen the adoption of plant protein ingredients across different food and nutrition sectors worldwide.

Restraint:

Taste, texture, and sensory challenges

Sensory limitations, including flavor issues, texture inconsistencies, and unwanted aftertastes, remain significant challenges for the plant protein ingredients market. Certain plant-derived proteins do not naturally provide the same taste profile or mouthfeel as animal-based proteins, which can influence consumer preferences. Companies must invest in technologies such as improved extraction methods, ingredient blending, and flavor enhancement techniques to overcome these barriers. These additional processing requirements may increase manufacturing expenses and complicate product development. As a result, difficulties in achieving consumer-friendly sensory qualities can limit the rapid adoption of plant protein ingredients in various food and beverage categories.

Opportunity:

Expansion of plant-based food and beverage applications

Increasing adoption of plant-based products across food and beverage sectors offers substantial growth opportunities for plant protein ingredients. Companies are developing new applications by integrating plant proteins into alternative meat products, non-dairy drinks, nutritional supplements, snack foods, and baked goods. Growing consumer demand for healthy, protein-enriched, and sustainable food choices is encouraging innovation in product development. Improvements in processing techniques are helping enhance the functionality, flavor, and overall quality of plant-based proteins. As

manufacturers continue to explore diverse applications and expand product offerings, plant protein ingredients are expected to gain wider acceptance and create new opportunities across global food markets.

Threat:

Competition from alternative protein sources

Growing interest in various alternative protein technologies creates competitive pressure for the plant protein ingredients market. Innovations in areas such as precision fermentation, cultivated proteins, and other novel protein sources are attracting significant attention from consumers, investors, and food manufacturers. These emerging options may compete with plant-based proteins by offering improved functionality, nutritional benefits, or unique product characteristics. As the alternative protein sector continues to expand, plant protein companies may need to increase innovation efforts and strengthen product differentiation to remain competitive.

Covid-19 Impact:

The COVID-19 outbreak created both challenges and growth opportunities for the plant protein ingredients market. Early pandemic-related restrictions disrupted supply chains, manufacturing processes, and the availability of agricultural inputs, affecting production activities. At the same time, increased awareness of health, wellness, and nutritional requirements encouraged consumers to seek protein-based foods and plant-derived alternatives. Changes in eating habits, including greater interest in home-prepared meals and sustainable diets, contributed to rising demand for plant protein products. Manufacturers responded by expanding innovative product offerings and improving supply chain resilience.

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

The isolates segment is expected to account for the largest market share during the forecast period because of their enhanced protein quality, functional performance, and suitability for diverse applications. They are widely utilized in nutritional supplements, wellness products, sports nutrition formulations, and protein-enriched food and beverage offerings. Their refined composition, improved digestibility, and adaptability in different formulations make them attractive to both manufacturers and consumers. Isolates help create products that align with increasing demand for convenient, healthy, and protein-focused nutrition solutions.

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

Over the forecast period, the pea protein segment is predicted to witness the highest growth rate, supported by growing demand for sustainable, plant-derived, and consumer-friendly protein options. Its increasing adoption is linked to its suitability for individuals seeking vegan, vegetarian, and allergen-conscious nutrition choices. Manufacturers are utilizing pea protein in applications such as alternative meat products, nutritional supplements, beverages, and functional foods due to its adaptable properties and formulation benefits. Continuous improvements in processing techniques are enhancing its taste, texture, and performance characteristics.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, supported by rising consumer preference for plant-based nutrition, well-developed food industries, and growing sustainability awareness. Increasing adoption of vegan and flexible dietary patterns has encouraged companies to introduce innovative products using plant-derived proteins. The region benefits from strong demand for functional foods, nutritional supplements, sports nutrition products, and alternative protein solutions. Advanced manufacturing infrastructure and continuous product innovation are helping expand the use of ingredients such as soy, pea, and other plant proteins.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, supported by rising interest in healthier nutrition, sustainable eating habits, and plant-derived food options. Increasing urbanization and changing consumer preferences are encouraging the adoption of protein-rich foods, functional beverages, and alternative protein products. Food companies in the region are investing in new plant-based formulations to address growing demand for vegan and flexible dietary choices. The availability of diverse plant sources and advancements in ingredient processing are helping expand market opportunities.

Key players in the market

Some of the key players in Plant Protein Ingredients Market include Archer Daniels

Midland (ADM), Cargill, International Flavors & Fragrances (IFF), Kerry Group, Roquette, Ingredion, Glanbia, Axiom Foods, Cosucra, Tereos, CHS, The Scoular Company, Gushen Group, Yuwang Group, Shandong Jianyuan Foods, Yantai Shuangta Food, A&B Ingredients and Burcon NutraScience.

Key Developments:

In December 2025, Kerry Group has announced a strategic agreement with Expo City Dubai to establish a new regional customer co-creation centre. This facility aims to enhance food and beverage innovation in the Middle East, marking a significant milestone in Kerry's ongoing expansion in this dynamic market. The new centre will be situated within Expo City Dubai, the UAE's first Green Innovation District, designed to foster innovation and sustainability.

In August 2025, IFF and Reservas Votorantim (rV) have signed a landmark partnership for research and bioprospecting in Legado das ?guas, Brazil's largest private Atlantic Forest reserve, owned by Reservas Votorantim. The agreement provides IFF and its subsidiary, LMR Naturals (LMR), exclusive access to the native flora of Legado das ?guas with the aim of developing new and unique extracts for perfumery and cosmetics.

In July 2025, Cargill and PepsiCo announced a strategic collaboration to advance regenerative agriculture practices across 240,000 acres from 2025 through 2030. The collaboration will focus on the companies' shared corn supply chain in Iowa, where Cargill sources from local farmers to produce ingredients used in some of PepsiCo's most iconic products.

Types Covered:

Isolates

Concentrates

Textured Proteins

Hydrolyzed Proteins

Sources Covered:

Soy Protein

Pea Protein

Wheat Protein

Rice Protein

Potato Protein

Corn Protein

Other Sources

Forms Covered:

Dry

Liquid

Functionalities Covered:

Emulsification

Gelation

Texturizing

Binding

Foaming

Solubility

Applications Covered:

Food & Beverages

Animal Feed

Pharmaceuticals & Nutraceuticals

Personal Care & Cosmetics

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of 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 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

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

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