

Plant-Based Egg Ingredients Market Forecasts to 2034 – Global Analysis By Ingredient Type (Plant-Based Proteins, Plant-Based Starches, Plant-Based Fibers, Plant-Based Gums, Plant-Based Emulsifiers and Plant-Based Oils), Source, Egg Function, Product Form, Processing Technology, Application, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Plant-Based Egg Ingredients Market is accounted for \$1.2 billion in 2026 and is expected to reach \$3.2 billion by 2034 growing at a CAGR of 13.0% during the forecast period. Plant-based egg ingredients refer to functional food components derived from legumes, grains, and other plant sources that replicate the binding, emulsifying, and leavening properties of conventional chicken eggs in food formulations. These ingredients are produced through protein extraction, isolation, and specialized processing techniques that modify plant proteins to achieve egg-like functionality. They provide cholesterol-free alternatives for bakery, confectionery, and sauce applications while addressing allergen concerns associated with conventional eggs. The formulations enable manufacturers to create vegan products with comparable texture and structural integrity.

Market Dynamics:

Driver:

Vegan and Allergen-Free Demand

Rising consumer adoption of vegan and flexitarian diets is driving strong demand for

plant-based egg ingredients across food manufacturing sectors. Growing awareness of egg allergies and cholesterol concerns is compelling manufacturers to reformulate products using plant-derived alternatives. The expansion of vegan bakery and confectionery product lines by major brands is accelerating ingredient procurement. These dietary shifts are supported by increasing retail shelf space dedicated to plant-based products and favorable consumer perception of sustainable ingredient sourcing.

Restraint:

Functional Performance Gaps

Achieving exact functional parity with chicken eggs in complex applications such as meringues and custards remains a significant technical challenge for plant-based egg ingredient formulators. Variability in plant protein functionality across different crop harvests and sourcing regions creates consistency issues in large-scale manufacturing. The higher ingredient costs associated with specialized processing and purification limit competitive positioning against conventional eggs. These performance and economic constraints slow adoption in cost-sensitive applications and mainstream foodservice operations.

Opportunity:

Foodservice Sector Expansion

The rapid growth of plant-based menus in quick-service restaurants and institutional foodservice presents substantial opportunities for plant-based egg ingredient suppliers. Major bakery chains and ready-meal manufacturers are actively seeking reliable egg alternatives to diversify their vegan offerings and meet corporate sustainability targets. Collaborative formulation partnerships can accelerate product development timelines and optimize ingredient performance for specific applications. These commercial relationships enable suppliers to secure long-term contracts and establish dedicated supply chains for high-volume foodservice customers.

Threat:

Egg Price Volatility

Fluctuations in conventional egg prices due to avian influenza outbreaks and feed cost variations create an unpredictable competitive landscape for plant-based egg

ingredients. When conventional egg prices decline significantly, the economic incentive for manufacturers to switch to plant-based alternatives diminishes substantially. The volatility of agricultural commodity markets affects both conventional and plant-based ingredient costs simultaneously. These price dynamics complicate long-term procurement planning and can delay conversion decisions by cost-conscious food manufacturers.

Covid-19 Impact:

The pandemic initially disrupted plant protein supply chains and delayed new product development programs due to laboratory access restrictions and ingredient shortages. During the mid-pandemic period, heightened focus on food security and supply chain diversification increased interest in domestically sourced plant-based ingredients. Post-pandemic, the market has sustained robust growth with accelerated investment in local processing infrastructure and strengthened partnerships between ingredient suppliers and domestic agricultural producers.

The plant-based proteins segment is expected to be the largest during the forecast period

The plant-based proteins segment is expected to account for the largest market share during the forecast period, due to their fundamental role in replicating the structural properties of egg proteins across diverse food applications. These protein isolates and concentrates provide essential binding and emulsification capabilities that form the foundation of most egg replacement formulations. The continuous improvement of extraction technologies is enhancing protein functionality and reducing production costs. Widespread availability of multiple plant protein sources further reinforces this segment's dominant market position.

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

Over the forecast period, the mung bean segment is predicted to witness the highest growth rate, driven by its exceptional ability to replicate egg-like coagulation and texture properties in scrambled and folded applications. The neutral flavor profile and high protein content of mung bean extracts make them particularly suitable for clean-label egg alternatives. Rapid adoption by major food manufacturers and quick-service restaurants is validating consumer acceptance. Advances in sustainable sourcing and cost-effective processing are further accelerating commercial deployment across global

markets.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, due to strong demand from the vegan bakery sector and established clean-label food manufacturing infrastructure. The United States leads with numerous plant-based food startups and major brands actively reformulating products with egg alternatives. Extensive retail distribution networks for specialty ingredients support market penetration. Favorable consumer attitudes toward plant-based diets and significant venture capital investment further consolidate North America's dominant position.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, due to rising lacto-ovo vegetarian populations and increasing awareness of plant-based nutrition in India and Southeast Asia. The rapid expansion of modern retail and e-commerce channels is improving consumer access to vegan food products. Government support for plant protein industries and reduced import tariffs on processing equipment are encouraging local manufacturing investment. These factors combined with growing health consciousness are driving accelerated adoption of plant-based egg ingredients.

Key players in the market

Some of the key players in Plant-Based Egg Ingredients Market include Ingredion Incorporated, Puris Proteins, MYX Biosciences, Egg Innovations, EVO Foods, Simply Eggless, Zero Egg, The EVERY Company, Clara Foods, Madmix, Roquette Frères, Beneo GmbH, Corbion N.V., ADM, International Flavors & Fragrances Inc., Kerry Group plc, and DuPont de Nemours Inc..

Key Developments:

In August 2026, Ingredion Incorporated launched a new line of high-functionality pea protein isolates specifically designed for plant-based egg replacement applications in bakery and mayonnaise formulations, offering improved emulsification and gelation performance.

In July 2026, The EVERY Company secured a major supply agreement with a national quick-service restaurant chain to provide cell-cultured egg proteins for breakfast menu items, marking a significant milestone in commercial scale-up and mainstream foodservice penetration.

In June 2026, Puris Proteins expanded its organic pea protein processing facility to increase capacity for plant-based egg ingredient formulations, addressing growing demand from North American and European bakery manufacturers seeking sustainable alternatives.

Ingredient Types Covered:

Plant-Based Proteins

Plant-Based Starches

Plant-Based Fibers

Plant-Based Gums

Plant-Based Emulsifiers

Plant-Based Oils

Sources Covered:

Soy

Pea

Chickpea

Potato

Mung Bean

Egg Functions Covered:

Binding

Emulsification

Foaming

Leavening

Thickening

Product Forms Covered:

Powder

Liquid

Paste

Concentrate

Processing Technologies Covered:

Protein Extraction

Isolation and Concentration

Fermentation

Enzymatic Processing

Blending and Formulation

Applications Covered:

Bakery Products

Confectionery

Mayonnaise and Dressings

Pasta and Noodles

Plant-Based Meat

Other Applications

End Users Covered:

Food Manufacturers

Bakery Manufacturers

Confectionery Manufacturers

Foodservice Operators

Ingredient Manufacturers

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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