

# **Texture-Enhanced Plant-Based Foods Market Forecasts to 2032 – Global Analysis By Product Type (Textured Vegetable Protein (TVP), Textured Pea Protein, Textured Wheat Protein and Novel Sources), Nature, Texture Format, Application and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Texture-Enhanced Plant-Based Foods Market is accounted for \$4.10 billion in 2025 and is expected to reach \$9.06 billion by 2032 growing at a CAGR of 12.0% during the forecast period. Plant-based foods with improved texture are transforming the alternative protein market by delivering eating experiences similar to conventional meat. Producers are leveraging advanced methods, including extrusion, 3D printing, and fermentation, to achieve authentic mouthfeel, tenderness, and juiciness. By closely replicating the texture and structure of animal-based products, these innovations overcome a key hurdle in plant-based food acceptance. Beyond enhancing sensory satisfaction, texture-focused plant-based foods contribute to balanced nutrition and diverse diets. Growing consumer interest in protein-rich, eco-friendly, and palatable options is driving their mainstream adoption, positioning these products as pivotal in redefining modern dietary habits and the future trajectory of the food industry.

According to FAO statistics, global almond production indeed surpassed 4.3 million tonnes in 2021, underscoring the availability of nut-based proteins and fibers for texture-enhanced plant-based dairy alternatives.

## **Market Dynamics:**

### Driver:

#### Growing consumer demand for plant-based proteins

The global shift toward plant-based diets is fueled by health awareness, environmental sustainability, and ethical considerations. Consumers increasingly prefer foods that provide adequate protein without relying on animal sources. Texture-enhanced plant-based products meet these expectations by offering meat-like taste and feel, attracting wider adoption. The growing emphasis on balanced, eco-conscious, and cruelty-free eating habits motivates food manufacturers to develop innovative plant-based options. With rising incorporation of such products into everyday diets, the market experiences significant growth. In essence, the increasing consumer focus on nutritious, environmentally responsible, and protein-dense alternatives serves as a fundamental driver of the texture-enhanced plant-based foods market.

### Restraint:

#### High production costs

The texture-enhanced plant-based foods market faces a major challenge from high production expenses. Cutting-edge processing methods such as extrusion, 3D printing, and fermentation demand significant investment in machinery, research, and development. Moreover, procuring premium plant proteins and texturizing ingredients further escalates manufacturing costs. Consequently, these higher expenses translate into elevated retail prices compared to traditional meat products, limiting purchase potential in cost-conscious consumer segments. Small and medium-scale producers may find it difficult to compete with established brands due to financial constraints. Ultimately, the high cost of production restricts accessibility and affordability, posing a substantial barrier to the broader adoption and expansion of texture-enhanced plant-based food products.

### Opportunity:

#### Expansion into emerging markets

The texture-enhanced plant-based foods sector has considerable potential in emerging economies. Increasing incomes, urban lifestyles, and rising health consciousness are boosting demand for convenient, protein-dense plant-based options. Consumers in these markets are increasingly focused on sustainability and ethical eating, creating a

supportive environment for new product introduction. Expanding into these regions enables companies to tap into new customer segments and enhance revenue diversification. Tailored products, strategic collaborations, and culturally relevant marketing can accelerate acceptance. By adapting to local dietary preferences and consumer behavior, manufacturers can optimize market reach. Expansion into emerging markets thus represents a strategic opportunity for the global growth of texture-enhanced plant-based foods.

#### Threat:

Intense competition from conventional meat products

A significant threat to the texture-enhanced plant-based foods industry is competition from traditional meat products. Conventional meat is well-established in consumer habits, favored for its taste, familiarity, and often lower cost. Many buyers remain reluctant to transition to plant-based alternatives, viewing them as less flavorful or satisfying. Large meat producers also actively innovate and market their products to retain customer loyalty, increasing competitive pressure. This scenario can hinder the market penetration of plant-based options and limit growth. To remain competitive, manufacturers of texture-enhanced plant-based foods must consistently focus on product differentiation in terms of taste, texture, nutritional content, and brand positioning.

#### Covid-19 Impact:

The COVID-19 crisis had a notable impact on the texture-enhanced plant-based foods sector, disrupting supply chains, production, and distribution. Restrictions and transportation delays caused raw material shortages and higher manufacturing costs. Simultaneously, consumers became more health-conscious, seeking immunity-boosting, sustainable, and convenient food options, which increased interest in plant-based alternatives. Online grocery and e-commerce platforms emerged as critical sales channels, compensating for reduced in-store availability. While the pandemic created operational hurdles, it also accelerated awareness and adoption of texture-enhanced plant-based products. The combined effect was a shift in consumer behavior toward healthier and sustainable diets, ultimately supporting long-term market growth despite short-term challenges.

The textured vegetable protein (TVP) segment is expected to be the largest during the forecast period

The textured vegetable protein (TVP) segment is expected to account for the largest market share during the forecast period because of its versatility, affordability, and easy accessibility. Derived primarily from soy and other legumes, TVP offers a protein-rich, low-fat alternative to meat while delivering a satisfying texture. Its flexibility allows it to be incorporated into a wide range of products, including meat substitutes, snacks, and convenient ready-to-eat meals. The established presence of soy-based ingredients and robust supply networks further support its market leadership. Overall, TVP's combination of nutritional benefits, cost-efficiency, and superior textural qualities makes it the most prominent and widely adopted segment in the global texture-enhanced plant-based foods market.

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

Over the forecast period, the fibrous blends segment is predicted to witness the highest growth rate due to its superior ability to mimic the fibrous texture and mouthfeel of traditional meat. Composed of plant proteins like soy, pea, and wheat, these blends provide enhanced chewiness, juiciness, and adaptability across diverse product formats. Food manufacturers are increasingly leveraging fibrous blends in premium meat substitutes, ready-made meals, and innovative culinary creations to meet consumer expectations. Rising demand for authentic meat-like sensory experiences and realistic texture drives this segment's rapid expansion. Consequently, fibrous blends are becoming the most dynamic and fast-growing category within the global texture-enhanced plant-based foods market.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, owing to heightened awareness of health, sustainability, and plant-based nutrition. The region benefits from advanced infrastructure, robust distribution channels, and a mature retail environment that ensures widespread product accessibility. Rising popularity of vegan and flexitarian diets, along with growing demand for protein-rich, convenient foods, drives market expansion. Major players' investments in research, development, and innovative product offerings further enhance market strength. Additionally, consumers in North America are generally willing to pay more for premium, sustainable, and high-quality plant-based alternatives. These factors collectively establish North America as the largest and most influential market for texture-enhanced plant-based foods worldwide.

### Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, driven by increasing health awareness, rapid urbanization, and rising disposable incomes. Growing consumer focus on sustainable diets and ethical food choices is boosting interest in plant-based protein alternatives. The region's large population, coupled with expanding retail and e-commerce networks, ensures greater product availability and adoption. Tailored product innovations that cater to local tastes and dietary preferences further enhance market acceptance. Supportive government policies promoting sustainable agriculture and plant-based nutrition also contribute to growth. Consequently, Asia-Pacific offers substantial opportunities and represents a high-CAGR market for texture-enhanced plant-based foods over the next several years.

### Key players in the market

Some of the key players in Texture-Enhanced Plant-Based Foods Market include Archer Daniels Midland Company (ADM), Roquette Frères, Ingredion, dsm-firmenich, The Scoular Company, Beneo, International Flavors & Fragrances, Inc. (IFF), Cargill, Incorporated, Ajinomoto Co., Inc., Aviko Rixona, Döhler Group, Tate & Lyle, JRS Food Ingredients, Bunge Limited and Jungbunzlauer.

### Key Developments:

In September 2025, Archer-Daniels-Midland Company has announced the signing of a definitive agreement to form a North American Animal Feed Joint Venture with Alltech. This strategic initiative is part of ADM's ongoing efforts to transition its animal nutrition business towards higher margin specialty ingredients.

In September 2025, Ingredion Incorporated announced that it has signed a conditional agreement to sell a 51% stake in Rafael Maize to Nishat Hotels and Properties Ltd. in Lahore, Pakistan, while retaining a 20% interest in the company. The sale is subject to securing international financing and regulatory approvals, with expectations for closure in the first half of 2026.

In May 2025, Cargill Inc reached a settlement with fast-food giant McDonald's Corp. over its antitrust claims, which alleged price fixing by beef suppliers. The announcement stems from a lawsuit McDonald's filed in October 2024 against leading meatpackers Cargill, JBS, Swift Beef Co., National Beef Packing Co. and Tyson Foods claiming that

they conspired to fix beef prices at artificially high levels by limiting beef supplies starting as early as 2015 through the time of the filing, in violation of the Sherman Act.

#### Product Types Covered:

Textured Vegetable Protein (TVP)

Textured Pea Protein

Textured Wheat Protein

Novel Sources

#### Natures Covered:

Organic

Conventional

#### Texture Formats Covered:

Slices

Chunks

Particulate Formats

Fibrous Blends

#### Applications Covered:

Meat Analogues

Dairy Alternatives

Bakery & Snacks

## Prepared Meals

### 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

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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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