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Lentil Protein Market Forecasts to 2030 – Global Analysis by Product (Concentrates, Isolates and Flour), Nature, Distribution Channel, Application and By Geography

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Abstracts

According to Stratistics MRC, the Global Lentil Protein Market is accounted for $223.08 million in 2024 and is expected to reach $336.6 million by 2030 growing at a CAGR of 7.1% during the forecast period. Lentil protein is a plant-based protein derived from lentils, a type of legume known for its high nutritional value. It is extracted through processes like milling and protein isolation, resulting in a concentrated protein powder or ingredient used in food products. Rich in essential amino acids, fiber, and minerals, lentil protein is a sustainable and allergen-friendly alternative to animal proteins. It is commonly used in plant-based foods, protein supplements, and meat alternatives due to its high digestibility and functional properties. Lentil protein supports muscle growth, satiety, and overall health while being a key component in vegetarian and vegan diets.

According to the Food and Drug Administration (FDA) and the Centers for Disease Control & Prevention, around 10% of the population of the United States, i.e., 32 million people in the country, suffer from some form of food allergy.

Market Dynamics:

Driver:

Rising Demand for Plant-Based Proteins

The rising demand for plant-based proteins is a key driver of the lentil protein market, fueled by growing consumer preference for sustainable, nutritious, and allergen-free

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protein sources. Increasing vegan and vegetarian diets, coupled with health-conscious choices, are boosting lentil protein adoption in food and beverage applications. Additionally, its high protein content, functional benefits, and clean-label appeal enhance demand. Expanding plant-based product innovation and supportive government policies further accelerate market growth, positioning lentil protein as a vital alternative to animal-based proteins.

Restraint:

High Processing Costs

High processing costs pose a significant hurdle to the market, restricting its growth potential. These high expenses are a result of the intricate and energy-intensive extraction procedures as well as the requirement for sophisticated machinery. As a result, lentil protein products become less competitive when compared to other plant-based proteins due to their increased overall cost. Demand and adoption are hampered as a result, particularly in sectors where prices are crucial.

Opportunity:

Health and Nutritional Benefits

The growing knowledge of health and nutritional benefits is a major driver of the lentil protein industry. Because it is high in fiber, iron, and vital amino acids, lentil protein is a popular option for consumers who are looking for plant-based protein substitutes and are health-conscious. Its advantages for heart health, weight control, and muscular growth increase demand, particularly among vegetarians and vegans. Furthermore, the use of lentil protein in functional foods and supplements is increasing due to the rising incidence of lactose intolerance and food allergies.

Threat:

Supply Chain and Raw Material Availability

Supply chain interruptions and raw material availability difficulties have a substantial impact on the lentil protein market. Production is hampered and expenses are raised by shortages of lentil supply brought on by erratic weather, difficult farming, and logistical delays. As a result, there is less lentil protein available, which makes it harder for producers to satisfy consumer demand. Product costs increase as a result, and the

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development of items made from lentils may stall, which would hinder market expansion as a whole.

Covid-19 Impact:

The COVID-19 pandemic disrupted the lentil protein market due to supply chain interruptions, labor shortages, and logistical constraints. However, increased consumer focus on health and immunity boosted demand for plant-based proteins. The rise in home cooking and growing preference for sustainable food sources further accelerated market growth. While initial disruptions affected production and distribution, post-pandemic recovery and heightened health awareness continue to drive demand for lentil protein globally.

The sports nutrition segment is expected to be the largest during the forecast period

The sports nutrition segment is expected to account for the largest market share during the forecast period due to demand for plant-based protein alternatives. Athletes and fitness enthusiasts seek high-protein, allergen-free, and sustainable sources, boosting lentil protein's adoption in protein powders, bars, and supplements. Its rich amino acid profile, digestibility, and non-GMO status make it an attractive alternative to whey and soy proteins. Growing trends in vegan and plant-based diets further fuel this demand, positioning lentil protein as a key ingredient in sports nutrition products worldwide.

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

Over the forecast period, the organic segment is predicted to witness the highest growth rate owing to rising consumer preference for clean-label, non-GMO, and chemical-free ingredients. Increasing health awareness and demand for plant-based protein in functional foods, dietary supplements, and vegan products further boost adoption. Regulatory support and sustainability concerns also favor organic lentil protein, attracting health-conscious consumers. Premium pricing and expanding retail availability enhance market penetration, while food manufacturers innovate with organic formulations to meet evolving dietary trends.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share due to increasing adoption in food & beverage, sports nutrition, and dietary supplements further accelerates growth. The market is strengthened by

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government support for diversity of proteins and sustainable agriculture. Demand is further increased by consumers' increasing preference for clean-label, non-GMO, and allergy-free protein sources. Key manufacturers' innovation in lentil-based products and growing retail distribution are further factors driving market growth.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR because expanding food and beverage applications, especially in dairy and meat alternatives, fuel market growth. Government initiatives promoting plant-based diets and sustainability further boost demand. Additionally, increasing disposable income and urbanization enhance market penetration. Technological advancements in extraction processes improve product quality and yield, making lentil protein a cost-effective and sustainable protein source in the region.

Key players in the market

Some of the key players in Lentil Protein Market include Nutraceuticals, Inc., Thomopoulos Distillery, Gruppo Campari, Pitsiladi Distillates, Pernod Ricard, Barbayannis Aphrodite Lentil Protein, Pilavas, Metaxa Lentil Protein, Boutari Lentil Protein, Simply Hellenic Ltd, Distillery Winery of Thrace S.A., Viglia Olives SA, Archer Daniels Midland Company, Cargill Inc., Parabel USA Inc., Henry Broch Foods, Biorefinery Solutions, AGT Food and Ingredients, Ingredion Inc. and AMCO Proteins.

Key Developments:

In October 2024, Ingredion Incorporated announced the expansion of its plant protein line with the debut of a game-changing pea protein, VITESSENCE® Pea 200 D, to help manufacturers overcome barriers in the nutritional beverage market.

In July 2024, Ingredion Incorporated announced the EMEA launch of FIBERTEX™ CF 500 & FIBERTEX™ CF 100, multi-benefit citrus fibers that provide enhanced texturizing properties and a clean label for consumer-preferred products.

In July 2024, Ingredion Incorporated announced the expansion of its line of North American grown and produced protein fortification solutions with the U.S. and Canada launch of VITESSENCE® Pea 100 HD, a pea protein optimized for cold-pressed bars.

Products Covered:

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- Concentrates
- Isolates
- Flour

Natures Covered:

- Organic
- Conventional

Distribution Channels Covered:

- Business-to-Business (B2B)
- Business-to-Consumer (B2C)
- Other Distribution Channels

Applications Covered:

- Food & Beverages
- Animal Feed
- Cosmetics & Personal Care
- Sports Nutrition
- Infant Nutrition
- Other Applications

Regions Covered:

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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

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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 2022, 2023, 2024, 2026, and 2030
- 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:

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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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