

# **Protein Extracts from Single Cell Protein and Other Conventional Sources Market Analysis By Sources (Plant, Bacteria, Yeast, Algae, Fungi), By Applications (Pharma, Animal Feed {Isolate, Concentrate, Hydrolysate}, Agriculture), And Segment Forecasts, 2018 - 2025**

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## **Abstracts**

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The global protein extracts from single cell protein and other conventional sources market size is expected to reach USD 26.3 billion by 2025, according to a new report by Grand View Research, Inc. Registering an 8.4% CAGR during the forecast period, the market is expected to be driven by rising investments in the animal feed industry to cater to rising demand for cattle feed.

India ranks first with respect to cattle inventory, with demand for cattle inventory constantly increasing in U.S. This is driving demand for animal feed and protein extracts from different sources. In U.S., approximately 12.0% of the cattle inventory falls under drought area. This percentage was approximately 73.0% and 26.0% in 2013 and 2008, respectively.

Furthermore, the combination of genetic engineering techniques to produce proteins and attain better expression levels is expected to boost this market. These genetic modifications aid in increasing nutraceutical value of the biomass product either by increasing amino acid composition or by optimization of other biomolecules present in the product. Moreover, there are a number of methods for the removal of ribonucleic acid (RNA) from extracted protein, another factor likely to impact market growth.

Further key findings from the report suggest:

Market penetration of protein extracts in pharmaceuticals and nutraceuticals is highest in the market and consequently, these segments accounted for a larger share in 2016

Animal feed protein extracts and agricultural protein extracts are anticipated to grow at a similar pace in the coming years owing to rising demand for proteins in these sectors. Traditional protein sources have been inadequate in catering to growing demand

Plant protein sources accounted for the largest share owing to easy availability. However, SCP-based extracts are anticipated to grow at lucrative rate environmental concerns play a strong role in driving the development of novel SCP products

North America accounts for the largest share in the protein extracts market with respect to pharmaceutical applications. Presence of well-established companies engaged in feed production through microbial cell cultivation have attributed to its growth

Ongoing research studies in U.S. regarding use of microbes as an alternative nutrient source is expected to propel the growth of this regional market during the forecast period

Asia Pacific accounted for the largest share in protein extract consumption with regard to animal feed. In recent times, universities and industries in China have been observed to be significantly active in filing patents related to SCP. This is sure to have a positive impact on regional growth

Some of the prominent players in the market are Nutreco; AgriProtein Holdings; ZEN-NOH; KnipBio; BlueBioTech Int. GmbH; Lallemand Inc.; and Marlow Foods Limited.

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