

Insect Meal Global Market Insights 2025, Analysis and Forecast to 2030, by Manufacturers, Regions, Technology, Application, Product Type

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Abstracts

Insect Meal Market Overview

The insect meal market is witnessing significant growth due to the increasing demand for sustainable and high-protein feed ingredients in animal agriculture. Insect meal, produced from various species such as silkworms, bees, and other insects, is increasingly being recognized as an environmentally friendly alternative to traditional protein sources like fishmeal and soy. The growing focus on sustainable food production practices, coupled with the need for alternative feed ingredients, is expected to drive the market's expansion. The market is also fueled by advancements in insect farming technologies and the increasing adoption of insect meal in aquaculture and animal food applications.

Market Size

The insect meal market is anticipated to grow at a compound annual growth rate (CAGR) ranging between 10% and 15% during the forecast period. The demand for sustainable feed solutions and the increasing commercialization of insect farming are expected to contribute to this growth.

Market Share & Trends Analysis

By Application

The insect meal market is segmented based on its application across various sectors. The following application segments are expected to see notable growth:

Animal Food: The animal food segment is expected to dominate the market, with a projected CAGR of 12% to 15%. As more pet food manufacturers adopt insect meal as

a sustainable protein source, this segment is poised for strong growth, driven by the increasing consumer demand for eco-friendly and protein-rich pet food options.

Aquaculture: The aquaculture segment is also projected to witness substantial growth, with an estimated CAGR of 10% to 13%. Insect meal is being increasingly used as a protein alternative in fish and shrimp farming, where the demand for sustainable feed ingredients is rising.

Others: Other applications, including use in fertilizers and biofuels, are expected to grow moderately at a CAGR of 6% to 8%, as the versatility of insect meal in various industries becomes more recognized.

By Product Type

The market for insect meal is segmented by product type, with the following categories showing promising growth:

Silkworm Chrysalis Powder: Silkworm chrysalis powder is expected to experience strong demand, growing at a CAGR of 11% to 14%. Its rich protein content makes it a popular ingredient in both animal feed and aquaculture applications.

Wolfberry Powder: Wolfberry powder, derived from specific insect species, is forecasted to grow at a CAGR of 10% to 13%. It is particularly valued for its nutritional benefits and is expected to be increasingly adopted in both animal food and aquaculture sectors.

Bee Mother Powder: Bee mother powder is projected to grow at a moderate rate, with a CAGR of 8% to 10%. While it is a valuable source of protein, its niche market will limit its broader adoption compared to other insect powders.

Other: Other types of insect meal products, such as those derived from crickets and black soldier flies, are expected to see steady growth, with a CAGR of 7% to 9%, as the variety of insect species used in meal production expands.

By Key Market Players

Several prominent players are leading the insect meal market:

Protix: Protix is a leading provider of insect-based products, focusing on sustainable insect farming and the production of high-quality insect meal for animal feed and aquaculture applications.

Entomo Farms: A key player in the market, Entomo Farms specializes in producing insect protein for animal feed and pet food, contributing to the growing acceptance of insect meal as a sustainable protein source.

Ynsect: Ynsect is known for its innovations in insect farming and the development of

insect protein for both animal food and aquaculture, helping to drive market growth in these sectors.

AgriProtein: AgriProtein produces sustainable insect-based protein solutions and is a major contributor to the global insect meal market, with a focus on creating high-quality products for animal food and feed applications.

InnovaFeed: InnovaFeed is a key player in the insect meal market, known for its work in developing innovative insect-based products for aquaculture, animal food, and other applications.

EnviroFlight: EnviroFlight produces insect protein and oil products, offering sustainable alternatives to traditional feed ingredients, primarily for the aquaculture and animal food markets.

Beta Hatch: Beta Hatch specializes in the production of insect protein for various applications, including animal food, pet food, and aquaculture, positioning itself as a leader in the sustainable insect farming space.

Enterra: Enterra produces insect-based products for animal feed, emphasizing sustainability and nutritional benefits to meet the growing demand for alternative protein sources in agriculture.

AgriProtein Americas: AgriProtein Americas is involved in the large-scale production of insect meal for animal feed and aquaculture, contributing significantly to the North American market for insect-based protein solutions.

By Region

The insect meal market is experiencing growth in several key regions:

North America: North America is expected to hold a substantial market share, with a CAGR of 12% to 15%, driven by the growing adoption of sustainable feed solutions and increasing demand for insect meal in pet food and aquaculture.

Europe: Europe is projected to grow at a CAGR of 10% to 13%, as the region increasingly focuses on sustainability and eco-friendly solutions in food production and animal feed, making insect meal a viable alternative to traditional protein sources.

Asia-Pacific: The Asia-Pacific region is expected to see the highest growth rate, with a CAGR of 14% to 17%, as countries like China and India show growing interest in sustainable protein sources for both aquaculture and animal agriculture.

Latin America: Latin America is expected to experience moderate growth, with a CAGR of 8% to 10%, driven by the increasing demand for alternative protein sources in agriculture and aquaculture in countries like Brazil and Argentina.

Middle East & Africa: The Middle East & Africa region is anticipated to grow at a CAGR of 7% to 9%, as the agricultural sector in this region seeks more sustainable and cost-

effective feed ingredients.

Market Forecasts (2025-2030)

Growth in Key Segments

Animal Food: The animal food segment is expected to maintain its dominance, with continued growth driven by increasing consumer demand for sustainable and high-protein pet food options, projected to grow at a CAGR of 12% to 15%.

Aquaculture: The aquaculture segment is expected to grow steadily at a CAGR of 10% to 13%, as the seafood industry increasingly adopts insect meal to replace traditional protein sources like fishmeal.

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