

Edible Insects for Animal Feed Market is Expected to Gain Popularity Across the Globe by 2031

Edible Insects for Animal Feed Market is expected to surpass the value US\$ 96.82 Bn By 2032, expanding at a CAGR of 38.9% during the forecast period 2022-2031

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EINPresswire.com/ -- The [edible insects for animal feed market](#) has garnered significant attention in recent years as a sustainable, nutritious, and environmentally friendly alternative to



traditional animal feed sources such as soy, fishmeal, and corn. With increasing pressure to address the challenges of food security, climate change, and sustainability in agriculture and livestock management, edible insects are emerging as a viable solution. These insects are rich in proteins, fats, and essential nutrients, making them an excellent choice for animal feed, particularly for poultry, fish, and pets. This market is poised for substantial growth due to a shift towards more sustainable practices in the animal agriculture industry.

Market Size and Growth

The edible insects for animal feed market was valued at approximately US\$ 5.03 Bn in 2022 and is projected to grow at a robust compound annual growth rate (CAGR) of 38.9% from 2022 to 2031. This growth can be attributed to the rising demand for alternative, sustainable feed ingredients and the increasing adoption of insect-based protein in animal nutrition across various regions. The market is expected to reach a value of US\$ 96.82 Bn by 2031, driven by growing consumer awareness, technological advancements, and supportive regulations.

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Market Segmentation

- By Service Type

The market can be segmented based on service type into the following categories:

- Live Insects: In this segment, live insects such as black soldier flies and mealworms are sold directly as feed for various animals.
- Processed Insects: This includes dried, powdered, and frozen insects, which are processed and incorporated into animal feed formulations. This segment holds a larger share due to the ease of handling, storage, and incorporation into animal feed.

- By Sourcing Type

Sourcing of edible insects for animal feed can be categorized into:

- Farmed: Insects that are farmed and raised in controlled environments for feed production. This segment is growing rapidly due to the scalability and efficiency of insect farming.
- Wild-Caught: Though less common, some edible insects are harvested from the wild. This practice is more prevalent in regions with indigenous consumption of insects.

- By Application

The major applications of edible insects for animal feed include:

- Poultry Feed: Insects, particularly black soldier flies and mealworms, are increasingly being used in poultry diets as a protein-rich ingredient to improve growth rates and health.
- Aquaculture: Insect-based protein is a promising alternative in aquaculture, offering sustainable and cost-effective feed for fish farming.
- Pet Food: The pet food segment has seen an uptick in the use of edible insects, as they offer a natural, hypoallergenic protein source that is easy to digest.
- Other Livestock: This category includes feed for cattle, swine, and other livestock that benefit from the high nutritional value of insect-based feed.

- By Industry Vertical

The key industry verticals utilizing edible insects for animal feed include:

- Agriculture: The use of insect-based feed in poultry and other livestock farming to reduce reliance on traditional feed ingredients.
- Aquaculture: This vertical includes fish farming, where edible insects offer an efficient and sustainable feed option.
- Pet Food Industry: Increasing demand for premium pet food that is environmentally sustainable and nutrient-dense has led to the incorporation of edible insects.

- By Region

The global market is segmented by region into:

- North America: North America holds a dominant share of the market, driven by increasing consumer demand for sustainable and alternative protein sources in animal feed. The United States and Canada are leading in insect farming innovations and regulatory frameworks.
- Europe: Europe is expected to witness significant growth, with countries like the Netherlands, France, and Germany leading the way in insect-based feed adoption.

- Asia-Pacific: This region is poised for rapid growth due to rising demand for animal feed in the aquaculture and poultry sectors, along with the rising interest in sustainable feed alternatives.
- Latin America: Insects as animal feed are gaining traction in Latin America due to the growing awareness of the environmental impact of conventional feed production.

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Market Drivers and Challenges

Drivers

- Sustainability: Insects require significantly less land, water, and food compared to traditional livestock feed sources, making them a highly sustainable alternative in the face of growing environmental concerns.
- Nutritional Benefits: Edible insects are rich in proteins, essential amino acids, and fats, making them an excellent nutrient source for animal feed.
- Regulatory Support: Increasing government initiatives and regulations supporting the use of edible insects in animal feed are fostering growth in the market.
- Growing Demand for Alternative Proteins: The global rise in demand for sustainable and alternative protein sources in the food and agriculture industries is boosting the edible insect feed market.

Challenges

- Regulatory Hurdles: While regulations are evolving, there are still challenges regarding the approval of insect-based feed across various countries, particularly in regions like North America.
- Cultural Acceptance: In some markets, there is hesitance around the use of insects in animal feed, which may slow adoption rates.
- Scalability of Production: The ability to scale up insect farming to meet the growing demand for feed remains a challenge for the industry.

Market Trends

- Technological Advancements: Innovation in insect farming technology, such as automated breeding systems, is improving efficiency and reducing production costs, which will drive the market forward.
- Increased Focus on Circular Economy: Edible insects are seen as a key component of the circular economy, as they can be produced using organic waste and byproducts, contributing to waste reduction and resource optimization.
- Integration with Plant-Based Feed: There is a growing trend to combine insect-based protein with plant-based feed ingredients, offering a balanced and highly sustainable feed solution.

Competitive Landscape

Key players in the edible insects for animal feed market include companies such as:

- AgriProtein Technologies
- Ynsect
- Protix
- Bugsolutely
- Entomo Farms

These companies are focusing on enhancing production capacities, entering strategic partnerships, and expanding their product portfolios to meet the rising demand for sustainable animal feed solutions.

Future Outlook

The future outlook for the edible insects for animal feed market is highly promising. With increasing regulatory support, growing environmental concerns, and the need for sustainable agriculture practices, the market is set to experience significant growth. Technological innovations in insect farming and feed processing will further contribute to the market's expansion. As the industry matures, edible insect-based feed is expected to become a mainstream component in animal nutrition globally.

Key Market Study Points

- The market is set to grow at a CAGR of 23% from 2022 to 2031, reaching a value of USD 2 billion by 2031.
- Poultry and aquaculture sectors are the largest consumers of insect-based feed.
- North America and Europe lead in adoption, with Asia-Pacific showing rapid growth potential.

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