+357 96 030922
info@marketpublishers.com

Insect-Based Animal Feed Market Forecasts to 2034 – Global Analysis By Insect Type (Black Soldier Fly, Mealworms, Houseflies, Crickets and Other Insect Types), Product Type, Livestock Type, Application, End User, and By Geography

https://marketpublishers.com/r/I36F83AFBB3FEN.html
Date: June 2026
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: I36F83AFBB3FEN

Abstracts

According to Stratistics MRC, the Global Insect-Based Animal Feed Market is accounted for $3.1 billion in 2026 and is expected to reach $14.6 billion by 2034 growing at a CAGR of 21.4% during the forecast period. Insect-based animal feed refers to feed ingredients derived from insects such as black soldier flies, mealworms, and crickets, used as sustainable protein and nutrient sources for livestock, poultry, aquaculture, and pet food applications. These feeds are rich in protein, amino acids, healthy fats, and micronutrients while requiring significantly lower land, water, and feed resources compared to conventional protein sources. Insect farming also supports circular economy practices by converting organic waste into valuable feed ingredients. Rising concerns regarding feed sustainability, resource efficiency, and alternative protein adoption are driving growth in insect-based feed production globally.

Market Dynamics:

Driver:

Sustainable protein source demand

Consumers and industries are increasingly seeking alternatives to traditional feed ingredients. Insects provide high nutritional value with lower environmental impact. Governments are promoting insect farming as part of sustainable agriculture initiatives. Partnerships between feed producers and insect farming companies are expanding.

+357 96 030922
info@marketpublishers.com

Awareness campaigns highlight the benefits of insect protein in animal nutrition. This trend is driving the market forward.

Restraint:

Limited large-scale insect farming

A major restraint is the limited availability of large-scale insect farming infrastructure. Many producers struggle to scale operations to meet growing demand. High costs of establishing insect farms reduce accessibility. Limited technical expertise slows adoption in developing regions. Regulatory hurdles add complexity to expansion. Smaller farms face challenges in competing with established players.

Opportunity:

Organic waste recycling integration

An important opportunity lies in integrating insect farming with organic waste recycling. Insects can efficiently convert organic waste into high-value protein. This reduces environmental impact while improving sustainability. Farmers benefit from lower feed costs and improved resource efficiency. Innovation in waste-to-feed technologies supports adoption. Governments are encouraging circular economy practices in agriculture.

Threat:

Competition from soybean meal

The market faces a threat from strong competition with soybean meal, a widely used protein source. Soybean meal remains cheaper and more accessible in many regions. Farmers often prefer established feed ingredients due to familiarity. Price fluctuations in soy markets affect insect feed competitiveness. Limited awareness of insect protein benefits constrains adoption. Negative publicity around insect farming reduces trust among some consumers.

Covid-19 Impact:

Covid-19 had a mixed impact on the insect-based animal feed market. On one hand, demand rose as sustainability became a priority during the pandemic. Farmers sought

+357 96 030922
info@marketpublishers.com

alternative feed sources amid supply chain disruptions. Online platforms supported distribution of insect-based products. On the other hand, economic uncertainty limited investments in advanced insect farming systems. Regulatory delays slowed expansion in some regions. Preventive health awareness increased focus on eco-friendly feed solutions. Overall, the pandemic is boosting long-term market awareness and adoption.

The insect protein meal segment is expected to be the largest during the forecast period

The insect protein meal segment is expected to account for the largest market share during the forecast period as it is widely used in poultry, aquaculture, and livestock feed. Insect protein meal provides high digestibility and nutritional value. Farmers are increasingly adopting insect meal as a sustainable alternative. Manufacturers are investing in large-scale production facilities. Retail penetration of insect protein meal is strong in developed markets. Governments are supporting insect protein adoption through subsidies. This segment is driving overall market revenue.

The sustainable feed production segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the sustainable feed production segment is predicted to witness the highest growth rate due to rising demand for eco-friendly feed solutions. Sustainable feed practices reduce environmental impact and improve resource efficiency. Farmers benefit from lower costs and improved animal health. Younger demographics are adopting sustainable farming practices rapidly. Digital platforms promote awareness of sustainable feed innovations. Governments are supporting sustainable feed initiatives through policies.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share owing to strong consumer awareness and advanced agricultural infrastructure. High adoption of insect-based feed technologies supports growth. Leading companies and innovators are headquartered in this region. Government initiatives promote sustainable protein adoption. Retail penetration of insect-based feed is strong in the US and Canada. Farmers are willing to invest in premium feed solutions. North America is fostering the market as the largest contributor.

Region with highest CAGR:

+357 96 030922
info@marketpublishers.com

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR driven by rising disposable incomes and growing livestock demand. Urbanization and food security concerns are fueling adoption of insect-based feed. Countries such as China, India, and Japan are rapidly expanding insect farming practices. E-commerce platforms support distribution of insect-based products. Government subsidies encourage adoption in rural areas. Affordable feed solutions appeal to mass farmers.

Key players in the market

Some of the key players in Insect-Based Animal Feed Market include InnovaFeed SAS, Ynsect SAS, Protix B.V., AgriProtein Holdings Ltd., EnviroFlight LLC, Entobel Holding Pte. Ltd., Hexafly Enterprises Limited, BioflyTech S.L., nextProtein, Nutreco N.V., Cargill, Incorporated, Darling Ingredients Inc., Calysta, Inc., Enterra Feed Corporation and Beta Hatch, Inc.

Key Developments:

In February 2026, InnovaFeed SAS finalized its Phase 3 expansion at the Nesle megafactory in France to quintuple its sustainable black soldier fly production capacity. The upgraded facility dramatically lowers energy intensity per metric ton while fulfilling extensive commercial supply contracts for global aquaculture majors.

In January 2026, Ynsect SAS commercialized a premium, automated mealworm-rearing modular system featuring advanced bioconversion genetics that optimize baseline larval growth rates. The high-yield platform targets specialized, high-protein components for premium pet food and organic backyard poultry feed distributors.

Insect Types Covered:

- Black Soldier Fly
- Mealworms
- Houseflies
- Crickets
- Other Insect Types

+357 96 030922
info@marketpublishers.com

Product Types Covered:

- Insect Protein Meal
- Insect Oil
- Whole Dried Insects
- Insect Frass Fertilizer
- Other Product Types

Livestock Types Covered:

- Aquaculture Species
- Poultry
- Swine
- Pet Food Animals
- Other Livestock Types

Applications Covered:

- Protein Supplementation
- Growth Enhancement
- Gut Health Improvement
- Sustainable Feed Production
- Other Applications

+357 96 030922
info@marketpublishers.com

End Users Covered:

- Feed Manufacturers
- Aquaculture Farms
- Livestock Farms
- Pet Food Companies
- Other End Users

Regions Covered:

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - United Kingdom
  - Germany
  - France
  - Italy
  - Spain
  - Netherlands
  - Belgium

+357 96 030922
info@marketpublishers.com

- Sweden
- Switzerland
- Poland
- Rest of Europe

Asia Pacific

- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Thailand
- Malaysia
- Singapore
- Vietnam
- Rest of Asia Pacific

South America

- Brazil
- Argentina
- Colombia

+357 96 030922
info@marketpublishers.com

- Chile
- Peru
- Rest of South America

Rest of the World (RoW)

- Middle East
  - Saudi Arabia
  - United Arab Emirates
  - Qatar
  - Israel
  - Rest of Middle East
- Africa
  - South Africa
  - Egypt
  - Morocco
  - Rest of 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 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

+357 96 030922
info@marketpublishers.com

- 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:

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

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

10 GLOBAL INSECT-BASED ANIMAL FEED MARKET, BY GEOGRAPHY

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Insect-Based Animal Feed Market Forecasts to 2034 – Global Analysis By Insect Type (Black Soldier Fly, Mealworms, Houseflies, Crickets and Other Insect Types), Product Type, Livestock Type, Application, End User, and By Geography

Product link: https://marketpublishers.com/r/I36F83AFBB3FEN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/I36F83AFBB3FEN.html