

Insect Protein Food Market Forecasts to 2034 – Global Analysis By Product Type (Insect Protein Powders, Insect-Based Snacks, Insect Protein Bars, Whole Insect Food Products and Other Product Types), Insect Type, Application, Distribution Channel, and End User

<https://marketpublishers.com/r/IF1878F31C32EN.html>

Date: June 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: IF1878F31C32EN

Abstracts

According to Statistics MRC, the Global Insect Protein Food Market is accounted for \$0.45 billion in 2026 and is expected to reach \$2.53 billion by 2034 growing at a CAGR of 24.1% during the forecast period. Insect protein food refers to edible products made from insects such as crickets, mealworms, or black soldier flies, processed into powders, flours, or whole forms. These foods are recognized for their high protein content, essential amino acids, and micronutrients like iron and vitamin B12. Insect farming is highly efficient, requiring significantly less land, water, and feed compared to traditional livestock. Products range from protein bars and snacks to baked goods and animal feed ingredients. Growing interest in sustainable protein sources and circular food systems is driving innovation and gradual consumer acceptance globally.

Market Dynamics:

Driver:

High protein conversion efficiency

Insects require significantly less feed, water, and land to produce the same amount of protein. This makes them a sustainable solution for meeting global protein demand. Consumers and industries are increasingly recognizing the environmental benefits of

insect protein. The nutritional profile of insects, rich in amino acids and micronutrients, adds to their appeal. Governments and NGOs are promoting insect protein as part of food security strategies.

Restraint:

Limited mainstream retail presence

A major restraint is the limited mainstream retail presence of insect protein products. Many consumers still find insect-based foods unfamiliar or culturally challenging. Retailers hesitate to allocate shelf space to niche protein categories. Distribution remains concentrated in specialty stores and online platforms. Lack of visibility reduces consumer awareness and trial. Marketing efforts are required to normalize insect protein in everyday diets.

Opportunity:

Use in protein powders

Fitness-conscious consumers are seeking novel protein sources for shakes and nutrition bars. Insect protein powders offer high digestibility and nutrient density. Blending insect protein with plant-based powders enhances product appeal. Ready-to-mix formats provide convenience for urban lifestyles. Innovation in flavors and packaging supports mainstream acceptance. This segment is expected to grow rapidly as functional nutrition demand rises.

Threat:

Strict food safety regulations

Insect protein requires rigorous testing and compliance to ensure consumer safety. Different regions have varying standards for approval and labeling. Regulatory uncertainty slows product launches and innovation. High compliance costs create barriers for smaller companies. Negative publicity around contamination risks can reduce consumer confidence. This regulatory pressure limits faster expansion of the market.

Covid-19 Impact:

Covid-19 had a mixed impact on the insect protein food market. On one hand, demand rose as consumers focused on sustainable and immune-supporting diets. Online sales channels grew significantly during lockdowns. On the other hand, supply chain disruptions affected insect farming and ingredient availability. Economic uncertainty limited premium purchases in some regions. Preventive health awareness increased adoption of protein-rich foods. Overall, the pandemic accelerated awareness of alternative proteins, supporting long-term growth.

The animal feed segment is expected to be the largest during the forecast period

The animal feed segment is expected to account for the largest market share during the forecast period as insect protein is increasingly used in aquaculture, poultry, and pet food. Insects provide a sustainable and cost-effective alternative to fishmeal and soy protein. Feed manufacturers are adopting insect protein to reduce reliance on traditional sources. Regulatory approvals for feed use are expanding in multiple regions. Nutritional benefits such as high digestibility support adoption in livestock diets. Large-scale insect farming facilities are focusing on feed applications. This segment will remain dominant in overall revenue contribution.

The vegan & flexitarian consumers segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the vegan & flexitarian consumers segment is predicted to witness the highest growth rate due to rising demand for sustainable and novel protein sources. Flexitarian consumers are open to experimenting with insect-based foods as part of balanced diets. Younger demographics are particularly inclined toward eco-friendly nutrition. Digital platforms and wellness campaigns promote insect protein benefits. Innovation in snacks, powders, and fortified foods supports adoption. Growing awareness of climate change drives interest in alternative proteins.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share owing to strong cultural acceptance of insect consumption in several countries. Nations such as Thailand, China, and Vietnam have long traditions of edible insects. Rising disposable incomes support adoption of packaged insect protein products. Local startups are expanding production and distribution networks. Government initiatives promote insect farming for food security. Retail penetration is increasing in urban markets.

Region with highest CAGR:

Over the forecast period, the Europe region is anticipated to exhibit the highest CAGR driven by rising health consciousness and sustainability awareness. European consumers are increasingly adopting alternative proteins to reduce environmental impact. Regulatory approvals for insect-based foods are expanding across the EU. Startups and established food companies are launching innovative insect protein products. Fitness and wellness trends support demand for insect powders and snacks. Retailers are gradually introducing insect-based foods in mainstream channels.

Key players in the market

Some of the key players in Insect Protein Food Market include Ynsect, Protix B.V., Entomo Farms, Agriprotein Holdings, Exo Protein, Adecoagro, NextProtein, Hexafly, Bugsolutely, All Things Bugs, InnovaFeed, Cricket One Co. Ltd., Entobel, Protenga and Nestle S.A.

Key Developments:

In November 2025, Protix officially introduced Maiko Van Der Meer as its new CEO to lead the company through its next phase of global industrial expansion. This strategic leadership move focuses on scaling the Dutch firm's "circular nutrition" model, leveraging Van Der Meer's extensive experience in the premium pet food and retail sectors to transition Protix from a startup to a mature, volume-driven ingredient supplier.

In February 2025, Innovafeed officially launched its "Hilucia™ for Pets" digital platform and Instagram page to drive consumer awareness of insect-based pet nutrition. This product-led growth strategy utilizes co-branding with industry leaders like Jiminy's to help pet owners understand the hypoallergenic and environmental benefits of *Hermetia illucens* (black soldier fly) as a primary protein source for dogs and cats.

Product Types Covered:

Insect Protein Powders

Insect-Based Snacks

Insect Protein Bars

Whole Insect Food Products

Other Product Types

Insect Types Covered:

Crickets

Mealworms

Black Soldier Fly

Grasshoppers

Other Insect Types

Applications Covered:

Human Nutrition

Animal Feed

Aquaculture Feed

Nutraceutical Ingredients

Other Applications

Distribution Channels Covered:

Supermarkets & Hypermarkets

Online Retail

Specialty Stores

Foodservice

Other Distribution Channels

End Users Covered:

Health-Conscious Consumers

Fitness Enthusiasts

Sustainable Diet Consumers

Vegan & Flexitarian Consumers

Other End Users

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

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

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:

Insect Protein Food Market Forecasts to 2034 – Global Analysis By Product Type (Insect Protein Powders, Insect...

- 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)
- 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

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL INSECT PROTEIN FOOD MARKET, BY PRODUCT TYPE

- 5.1 Insect Protein Powders
- 5.2 Insect-Based Snacks
- 5.3 Insect Protein Bars
- 5.4 Whole Insect Food Products
- 5.5 Other Product Types

6 GLOBAL INSECT PROTEIN FOOD MARKET, BY INSECT TYPE

- 6.1 Crickets
- 6.2 Mealworms
- 6.3 Black Soldier Fly
- 6.4 Grasshoppers
- 6.5 Other Insect Types

7 GLOBAL INSECT PROTEIN FOOD MARKET, BY APPLICATION

- 7.1 Human Nutrition
- 7.2 Animal Feed
- 7.3 Aquaculture Feed
- 7.4 Nutraceutical Ingredients
- 7.5 Other Applications

8 GLOBAL INSECT PROTEIN FOOD MARKET, BY DISTRIBUTION CHANNEL

- 8.1 Supermarkets & Hypermarkets
- 8.2 Online Retail
- 8.3 Specialty Stores
- 8.4 Foodservice
- 8.5 Other Distribution Channels

9 GLOBAL INSECT PROTEIN FOOD MARKET, BY END USER

- 9.1 Health-Conscious Consumers

- 9.2 Fitness Enthusiasts
- 9.3 Sustainable Diet Consumers
- 9.4 Vegan & Flexitarian Consumers
- 9.5 Other End Users

10 GLOBAL INSECT PROTEIN FOOD MARKET, BY GEOGRAPHY

- 10.1 North America
 - 10.1.1 United States
 - 10.1.2 Canada
 - 10.1.3 Mexico
- 10.2 Europe
 - 10.2.1 United Kingdom
 - 10.2.2 Germany
 - 10.2.3 France
 - 10.2.4 Italy
 - 10.2.5 Spain
 - 10.2.6 Netherlands
 - 10.2.7 Belgium
 - 10.2.8 Sweden
 - 10.2.9 Switzerland
 - 10.2.10 Poland
 - 10.2.11 Rest of Europe
- 10.3 Asia Pacific
 - 10.3.1 China
 - 10.3.2 Japan
 - 10.3.3 India
 - 10.3.4 South Korea
 - 10.3.5 Australia
 - 10.3.6 Indonesia
 - 10.3.7 Thailand
 - 10.3.8 Malaysia
 - 10.3.9 Singapore
 - 10.3.10 Vietnam
 - 10.3.11 Rest of Asia Pacific
- 10.4 South America
 - 10.4.1 Brazil
 - 10.4.2 Argentina
 - 10.4.3 Colombia

- 10.4.4 Chile
- 10.4.5 Peru
- 10.4.6 Rest of South America
- 10.5 Rest of the World (RoW)
 - 10.5.1 Middle East
 - 10.5.1.1 Saudi Arabia
 - 10.5.1.2 United Arab Emirates
 - 10.5.1.3 Qatar
 - 10.5.1.4 Israel
 - 10.5.1.5 Rest of Middle East
 - 10.5.2 Africa
 - 10.5.2.1 South Africa
 - 10.5.2.2 Egypt
 - 10.5.2.3 Morocco
 - 10.5.2.4 Rest of Africa

11 STRATEGIC MARKET INTELLIGENCE

- 11.1 Industry Value Network and Supply Chain Assessment
- 11.2 White-Space and Opportunity Mapping
- 11.3 Product Evolution and Market Life Cycle Analysis
- 11.4 Channel, Distributor, and Go-to-Market Assessment

12 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

- 12.1 Mergers and Acquisitions
- 12.2 Partnerships, Alliances, and Joint Ventures
- 12.3 New Product Launches and Certifications
- 12.4 Capacity Expansion and Investments
- 12.5 Other Strategic Initiatives

13 COMPANY PROFILES

- 13.1 Ynsect
- 13.2 Protix B.V.
- 13.3 Entomo Farms
- 13.4 Agriprotein Holdings
- 13.5 Exo Protein
- 13.6 Adecoagro

- 13.7 NextProtein
- 13.8 Hexafly
- 13.9 Bugsolutely
- 13.10 All Things Bugs
- 13.11 InnovaFeed
- 13.12 Cricket One Co. Ltd.
- 13.13 Entobel
- 13.14 Protenga
- 13.15 Nestle S.A.

List Of Tables

LIST OF TABLES

Table 1 Global Insect Protein Food Market Outlook, By Region (2023-2034) (\$MN)

Table 2 Global Insect Protein Food Market, By Product Type (2023–2034) (\$MN)

Table 3 Global Insect Protein Food Market, By Insect Protein Powders (2023–2034) (\$MN)

Table 4 Global Insect Protein Food Market, By Insect-Based Snacks (2023–2034) (\$MN)

Table 5 Global Insect Protein Food Market, By Insect Protein Bars (2023–2034) (\$MN)

Table 6 Global Insect Protein Food Market, By Whole Insect Food Products (2023–2034) (\$MN)

Table 7 Global Insect Protein Food Market, By Other Product Types (2023–2034) (\$MN)

Table 8 Global Insect Protein Food Market, By Insect Type (2023–2034) (\$MN)

Table 9 Global Insect Protein Food Market, By Crickets (2023–2034) (\$MN)

Table 10 Global Insect Protein Food Market, By Mealworms (2023–2034) (\$MN)

Table 11 Global Insect Protein Food Market, By Black Soldier Fly (2023–2034) (\$MN)

Table 12 Global Insect Protein Food Market, By Grasshoppers (2023–2034) (\$MN)

Table 13 Global Insect Protein Food Market, By Other Insect Types (2023–2034) (\$MN)

Table 14 Global Insect Protein Food Market, By Application (2023–2034) (\$MN)

Table 15 Global Insect Protein Food Market, By Human Nutrition (2023–2034) (\$MN)

Table 16 Global Insect Protein Food Market, By Animal Feed (2023–2034) (\$MN)

Table 17 Global Insect Protein Food Market, By Aquaculture Feed (2023–2034) (\$MN)

Table 18 Global Insect Protein Food Market, By Nutraceutical Ingredients (2023–2034) (\$MN)

Table 19 Global Insect Protein Food Market, By Other Applications (2023–2034) (\$MN)

Table 20 Global Insect Protein Food Market, By Distribution Channel (2023–2034) (\$MN)

Table 21 Global Insect Protein Food Market, By Supermarkets & Hypermarkets (2023–2034) (\$MN)

Table 22 Global Insect Protein Food Market, By Online Retail (2023–2034) (\$MN)

Table 23 Global Insect Protein Food Market, By Specialty Stores (2023–2034) (\$MN)

Table 24 Global Insect Protein Food Market, By Foodservice (2023–2034) (\$MN)

Table 25 Global Insect Protein Food Market, By Other Distribution Channels (2023–2034) (\$MN)

Table 26 Global Insect Protein Food Market, By End User (2023–2034) (\$MN)

Table 27 Global Insect Protein Food Market, By Health-Conscious Consumers (2023–2034) (\$MN)

Table 28 Global Insect Protein Food Market, By Fitness Enthusiasts (2023–2034) (\$MN)

Table 29 Global Insect Protein Food Market, By Sustainable Diet Consumers
(2023–2034) (\$MN)

Table 30 Global Insect Protein Food Market, By Vegan & Flexitarian Consumers
(2023–2034) (\$MN)

Table 31 Global Insect Protein Food Market, By Other End Users (2023–2034) (\$MN)

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

I would like to order

Product name: Insect Protein Food Market Forecasts to 2034 – Global Analysis By Product Type (Insect Protein Powders, Insect-Based Snacks, Insect Protein Bars, Whole Insect Food Products and Other Product Types), Insect Type, Application, Distribution Channel, and End User

Product link: <https://marketpublishers.com/r/IF1878F31C32EN.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/IF1878F31C32EN.html>