

# North America Insect Protein Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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## Abstracts

North America Insect Protein Market was valued at USD 15.4 million in 2024 and is estimated to grow at a CAGR of 10.2% to reach USD 40.3 million by 2034, driven by the increasing demand for sustainable and alternative protein sources in sectors such as food, animal feed, and pet food. Insects, particularly black soldier fly larvae, crickets, and mealworms, are gaining popularity due to their nutritional value and eco-friendly production processes. Insect protein is used in applications, including animal feed, aquaculture, pet food, protein bars, snacks, and meat alternatives.

The animal feed segment remains the largest application, primarily due to insect protein's excellent digestibility, high amino acid content, and regulatory support in animal feed formulations. The pet food market is also growing significantly, driven by premiumization and clean-label trends. While human consumption of insect protein is still niche, it is gaining traction through protein powders, snacks, and flour derived from insects. Factors such as increasing food security concerns, the rising cost of traditional protein production, and the growing consumer demand for sustainable food sources drive this shift. However, challenges like cultural acceptance, regulatory uncertainty, and high production costs continue to pose barriers to market growth. Despite these challenges, the region holds significant potential for insect protein commercialization, supported by improved scalability, acceptance, and government and corporate awareness campaigns.

In 2024, the black soldier flies segment held a 40.1% share and is expected to grow at a 10.3% CAGR by 2034 attributed to the black soldier fly's high feed conversion efficiency and suitability for large-scale production. Its larvae are rich in protein, making it a preferred ingredient in animal and pet food. Similarly, crickets have gained substantial

market presence, particularly for use in protein powders and snacks due to their nutritional profile. Mealworms are also widely recognized for their high protein and fat content, making them popular in both animal feed and human food products. Other insects like silkworms and grasshoppers serve specialized markets, though they hold a smaller share.

The insect meal segment held a 35.1% share in 2024 and is anticipated to grow with a CAGR of 10.3%. Insect meal is highly valued in the animal feed industry for its nutritional benefits, particularly in aquaculture, poultry, and pet food. Its digestibility and sustainability make it a popular alternative to traditional ingredients like fishmeal and soybean meal. As demand rises, companies are expanding their production capacity, making insect meal the most economically viable and widely produced form of insect protein in the region.

U.S. Insect Protein Market reached USD 11 million in 2024 driven by its strong research ecosystem, the presence of leading insect protein startups, and favorable investment policies. The rising demand for alternative proteins in animal feed, pet food, and functional foods is accelerating in the U.S., driven by consumer advocacy for sustainability and environmentally friendly products. Supportive regulatory changes and public-private partnerships solidify the U.S. market's position. Innovations in large-scale insect farms and processing technologies have improved production efficiency and scalability, positioning U.S. companies to dominate the regional market and meet growing global demand.

The key players in the North America Insect Protein Market include InnovaFeed, Aspire Food Group, Ynsect, Protix, and Entomo Farms. To strengthen their market presence, companies in the North America Insect Protein Market are focusing on increasing production capacity and expanding their product offerings. By leveraging technological advancements in insect farming and processing, these companies aim to improve efficiency and meet the rising demand for alternative proteins. Collaboration with government bodies and public-private partnerships has also played a key role in supporting the growth of this industry. Furthermore, companies invest in research and development to improve scalability, product quality, and sustainability, enhancing their competitive edge. By focusing on innovation, regulatory compliance, and market expansion, they are solidifying their positions in both local and global markets.

### **Companies Mentioned**

Aspire Food Group, Entomo Farms, EnviroFlight, LLC (Darling Ingredients), Chapul,

LLC, Exo Inc., Tiny Farms Inc., All Things Bugs LLC, Protix, Ynsect, InnovaFeed, Beta Hatch, Enterra Feed Corporation, Bitty Foods, Cricket Flours LLC, Aketta (Aspire Food Group), Cowboy Cricket Farms, Proti-Farm Holding N.V., Nutribug Ltd, Bugsolutely Ltd., 3 Cricketeers

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