



CARGILL & INNOVAFEED EXPAND THEIR PARTNERSHIP FOR SUSTAINABLE FEED BEYOND AQUACULTURE

Expanded partnership represents major step towards more sustainable animal nutrition industry

Cargill and InnovaFeed have **extended their strategic partnership through a commercial contract** to bring sustainable, novel feed options to additional segments of the animal nutrition industry. While their initial collaboration focused on aqua-nutrition, the expanded partnership will include more species, starting with the **use of oil derived from insects in swine feed**.

Initiated 3 years ago, Cargill and InnovaFeed partnership aims at scaling up use of insect ingredients in animal feed in order to build sustainable and performing value chains. This enhanced collaboration, which leverages **InnovaFeed's expertise in producing premium insect ingredients** and **Cargill's extensive animal nutrition acumen**, demonstrates Cargill's confidence in InnovaFeed's products and model. *"Our analyses convinced us that InnovaFeed has the best products on the market, not only for its quality and performance but also thanks to InnovaFeed's ability to deploy on a large scale"* declares Helene Ziv, group leader of Cargill's aqua nutrition business.

This expanded partnership has the potential to **benefit more than 20 million piglets' diet by 2026** and demonstrates the strategic role the insect industry can play in transforming the global food model towards a more sustainable feed industry.

"Our customers are committed to reducing the environmental impact of their feeds in response to increased pressure on natural resources and the demands of end consumers," said Delphine Melchior, Sustainability and Quality sector director for Cargill's aqua and animal nutrition business. *"We share that commitment to a more sustainable future. A first step was bringing InnovaFeed insect protein to fish farming. With the introduction of insect oil, we continue our journey, increasing our positive impact on animal production."*

The expanded partnership enables InnovaFeed to demonstrate the full potential of its insect-based products for animal feed.

"Our cooperation with a player like Cargill who has laid out ambitious sustainability goals is the best proof of the environmental and nutritional benefits of our products and highlights that insect nutrients are a promising solution capable of reconciling performance and sustainability," said Maye Walraven, Head of Business Development at InnovaFeed.

POSITIVE IMPACT FOR SWINE NUTRITION

To evaluate the novel feed ingredient, Cargill and InnovaFeed conducted numerous feed trials in swine diets, comparing the impact of different oil sources. They found the **nutritional profile of insect oil fits well with swine requirements**, making it possible to supplement or replace vegetable oil without negative effects on performance.

Naturally present in their diet in the wild, **insect oil is rich in lauric acid, a fatty acid that helps improve the intestinal health of animals**, especially piglets. The Cargill-InnovaFeed research also suggested indications of possible performance and health benefits that require further study.

80% LESS CARBON IMPACT

Beyond its nutritional value, insect oil offers substantial environmental benefits. As an alternative to traditional vegetable oils, the insect fatty acids produced by InnovaFeed provide a **significant reduction of carbon footprint**

– **by at least 80%** compared to vegetable oils generally present in swine feed¹ – and **zero impact on deforestation**.

InnovaFeed’s circular economy approach brings added environmental benefits as the company upcycles co-products from the agriculture production of starch to feed black soldier fly larvae. Once the larvae reach a certain stage, protein and oil are extracted for use in animal and fish feed.

“Turning sustainability into a competitive argument rather than a cost, our unique circular model allows us to produce high-quality insect proteins and oils on a large scale, combining performance with minimal impact on the planet,” said Walraven.

About Cargill

Cargill’s 155,000 employees across 70 countries work relentlessly to achieve our purpose of nourishing the world in a safe, responsible and sustainable way. Every day, we connect farmers with markets, customers with ingredients, and people and animals with the food they need to thrive. We combine 155 years of experience with new technologies and insights to serve as a trusted partner for food, agriculture, financial and industrial customers in more than 125 countries. Side by side, we are building a stronger, sustainable future for agriculture. For more information, visit www.cargill.com/feed

About InnovaFeed

InnovaFeed is a biotech company that produces a new source of nutrients from insect rearing (*Hermetia illucens*) for animal and plant nutrition. InnovaFeed’s mission is to participate in the rise of sustainable food systems by addressing the increasing demand for natural, healthy and competitive raw materials. InnovaFeed valorizes the insect entirely in a zero-waste logic thereby producing an organic fertilizer from insect’s frass. Combining the largest production capacity on the market and state of the art research in biotechnology, InnovaFeed has developed an innovative technology and process enabling the production of high-quality insect meal at industrial scale and at a competitive price. To know more, visit our website: www.innovafeed.com, and newsroom: <https://newsroom.innovafeed.com/>

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1. Life Cycle Analysis realized by Quantis for InnovaFeed insect oil, February 2020