

Evonik and Nutrition Technologies work together to secure future food supply through insect proteins

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- Joint research and development project on the amino acid requirements of Black Soldier Flies
- Contribution to improving sustainability of livestock production
- Feed trials and analytics to be run in Malaysia and Singapore

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Essen, Germany. Evonik and Nutrition Technologies, a Singapore-based manufacturer of insect-derived products, have agreed to jointly conduct a research and development project on the amino acid requirements of Black Soldier Flies (BSF) in Southeast Asia. Insects have great potential as a sustainable protein source to feed animals, with lower greenhouse gas emissions, land use, and water requirements than traditional livestock feed ingredients. The project aims to optimize BSF diets to maximize sustainability outcomes in livestock production while continuing to provide safe and healthy meat.

“The demand for nutritious animal protein is growing sharply in Asia”, says Shreedhar Patel, head of the Regional Platform Asia South in the Animal Nutrition business line of Evonik. “With Nutrition Technologies, we are applying our extensive animal nutrition expertise to explore the most efficient ways to incorporate alternative sources of protein into the food value chain. This should help bolstering food security and availability while minimizing use of arable land and freshwater”.

With the globally recognized knowledge of feed additives that Evonik brings to the project, and the expertise in Black Soldier Fly production from the Nutrition Technologies team, the agreement will accelerate the ability for both parties to deliver optimal BSF protein profiles to enrich animal diets. The research will take place across two locations: Nutrition Technologies’ flagship manufacturing facility in Johor, Malaysia, and Evonik’s state-of-the-art laboratories in Singapore.

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“Working with the global experts at Evonik and having access to their resources is enabling us to develop our understanding of the BSF nutritional requirements at an incredible rate – this will help us to unlock a whole raft of new raw materials, which is the key to expansion in this industry” said Nick Piggott, Founder and Co-CEO of Nutrition Technologies.

The project, which is scheduled to last two years, is already in place, developing protocols and trial regimes. Initial findings are expected to be implemented by the end of 2022.

Company information Evonik

Evonik is one of the world leaders in specialty chemicals. The company is active in more than 100 countries around the world and generated sales of €15 billion and an operating profit (adjusted EBITDA) of €2.38 billion in 2021. Evonik goes far beyond chemistry to create innovative, profitable and sustainable solutions for customers. About 33,000 employees work together for a common purpose: We want to improve life today and tomorrow.

About Evonik Nutrition & Care

The focus of the business of the Nutrition & Care division is on health and quality of life. It develops differentiated solutions for active pharmaceutical ingredients, medical devices, nutrition for humans and animals, personal care, cosmetics, and household cleaning. In these resilient end markets, the division generated sales of €3.56 billion in 2021 with about 5,300 employees.

Company information Nutrition Technologies

Nutrition Technologies is one of the leading global insect protein manufacturers, headquartered in Singapore, with operating facilities in Malaysia. Nutrition Technologies is committed to revolutionizing agriculture by reintroducing insects back into the feed supply chain on a mass scale. Their tropics-based insect rearing system produces high quality raw materials for the animal feed, cosmetics and agriculture industries, through a 100% natural, nutrient recycling process using Black Soldier Fly (BSF) technology.

More information can be found at www.nutrition-technologies.com

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