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# Dutch companies keen on new shrimp feed that includes more insects and algae

17 January 2023

By Responsible Seafood Advocate

## New shrimp feed with partial fishmeal and fish oil replacements are shown to reduce the formulation's carbon footprint

Skretting Ecuador, part of Dutch animal nutrition company Nutreco, will produce a new shrimp feed that will partly replace two ingredients – fishmeal and fish oil – with insects and algae. This will help increase the diversity and flexibility while reducing the marine carbon footprint in feed formulation. The feed will be used by Klaas Puul's suppliers in Latin America to produce shrimp for Albert Heijn (the largest supermarket chain in the Netherlands), and possibly other retailers in dedicated ponds in Latin America.

"This will help us meet the targets of our Sustainability RoadMap 2025, particularly ensuring 5-10 percent inclusion of novel ingredients in feed formulations," said Carlos Miranda, general manager of Skretting Ecuador. "We are proud of being part of this value chain collaboration that will move the needle forward to bringing a sustainable solution to end consumers."

The fishmeal will be partially replaced by **Protix's**



Photo courtesy of Cofimar.

(<https://www.globalseafood.org/advocate/worlds-largest-fly-factory-attracting-investors-eyeing-aquafeed-expansion/>), insect meal, made from black soldier fly larvae, which recently achieved excellent sustainability scores in an independent Life Cycle Assessment. The fish oil will be partially substituted by Veramaris's MSC/ASC-certified **algae oil**

(<https://www.globalseafood.org/advocate/veramaris-runs-away-with-f3-oil-alternative-contest/>). Skretting Ecuador said that this is a restorative source of the essential omega-3 fatty acids EPA and DHA, necessary for the health and performance of farmed shrimp.

“One hundred percent of the remaining marine ingredients will be sourced from seafood processing byproducts, and all will be traceable back to MarinTrust-accredited fisheries in Ecuador,” stated Skretting Ecuador in a press release. “What’s more, the soy in the feed will be sourced from deforestation-free and land-conversion-free origins, making the feed proposition a significant improvement in terms of environmental responsibility compared with most conventional shrimp feeds on the market today.”



(<http://www.choicegroup.in/canning>).

Over the next three years, the consortium partners will continue to improve the feed formulation according to their own sustainability goals, drawing on developments within the field of shrimp nutrition, while also “adjusting to the rapidly changing ingredient market.” Over time, the consortium will

increase the inclusion rates of insect meal and algae oil and look at other options to further reduce dependency on marine ingredients. The consortium will also guarantee that all shrimp are produced from non-ablated broodstock and is ASC certified.

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