Feed ingredients play an important role in the efficiency of salmon farming. It provides the salmon with all the protein and essential nutrients required for optimal health and growth, making farmed salmon a healthy dietary choice!

OUR CHALLENGE

Establish new approaches to efficiently farm salmon by providing fish the nutrients they need to be healthy, without putting further pressure on wild fish stocks or natural resources for feed.

WHAT THE GSI IS DOING

Since GSI launched, we have been dedicated to improving the sustainability of fish feed, and together with our associate feed members we have supported a number of successful initiatives:

1. Finding alternative sources of omega-3 fatty acids

   - In 2015, we launched a global tender to identify commercially viable non-marine alternative sources of omega-3 fatty acids
   - Before we started this process, an in-depth mapping activity to gain clarity on the current situation on the feed marketplace was conducted
   - Once the tender was live, we received a number of impressive responses, and invited six proposals to present their innovative solutions to GSI representatives in Brussels
   - Solutions presented included photosynthetic algae, Genetically Modified Organism (GMO) crop, algae–photobioreactor technology, heterotrophic algae (non-GMO) and GMO EPA yeast
   - The tender has made an undefinable impact on the feed industry, and it is responsible for prompting accelerated efforts and innovation that has ultimately led to more non-marine alternatives available within the market
   - Industry feed companies are now working with multiple providers, incorporating these fish-free ingredients into industry feeds

"GSI’s ‘Novel Oils for Salmon Aquaculture Feed’ tender has provided us with invaluable insights and distinct solutions to support the sustainability of the salmon industry. Without this proactive approach, we’d be years behind where we are today."

Carlos Diaz, CEO, BioMar Group
One of the biggest innovations to have taken place in salmon farming in the past decade is the significant reduction in the use of wild fish as part of the farmed fish’s diet. Through innovation and improvements in feeding techniques, we have not only been able to reduce the amount of marine resources needed, but also been able to identify new novel resources to replace the marine oils we required before.

Tor Eirik Homme, Director Feed and Nutrition at Grieg Seafood ASA

This has been one of the biggest challenges facing our industry, and as a young industry there have already been significant developments, however it is important we continue to prioritize the long-term sustainability of our feed resources and find further improvements to balance greater efficiencies with more sustainable production.

For more information please visit: @GSI_salmon