



# Globally leading producer of fishmeal and fish oil

**With a total export value of 470 mill. £, Denmark is undisputedly Europe's leading producer of fishmeal and fish oil. Of the European countries, Denmark is the number 1 producer of fishmeal right above Norway and the number 2 producer of fish oil right below Norway. Globally, Denmark was the 7<sup>th</sup> largest producer of fishmeal and the 8<sup>th</sup> largest producer of fish oil in 2018.**

The fishing for short-lived species such as sand eel, Norway pout and sprat constitute a significant part of the Danish fishery, and Denmark has a very large part of the EU's combined quotas on the most important protein fish. The combined quotas represent an average value of landing of more than 134 mill. £.

In addition, the factories annually receive between 100.000-160.000 tonnes of trimmings from the human consumption industry.

Fishmeal and fish oil are important marine ingredients and the production of fishmeal and fish oil forms the basis for Denmark as one of the world's leading exporters of fish feed and know-how in the aquaculture sector. The production of fishmeal and fish oil is a crucial condition for continued development of aquaculture.

The sector contributes to growth and development in numerous coastal areas and creates a lot of jobs in the rural areas of Denmark.

The production is based on a sustainable exploitation of the resources, and the industry fulfils international standards and certifications related to raw materials, production and traceability.

## FACTS:

**Fishmeal production, Denmark:** Annual average (2014-2018) 191.000 tonnes

**Fish oil production, Denmark:** Annual average (2014-2018) 52.500 tonnes

**Danish export of fishmeal:** In 2018, the export to more than 50 countries amounted to a value of 281 mill. £.

**Danish export of fish oil:** In 2018, the export to more than 25 countries amounted to a value of 187 mill. £.



**Marine Ingredients**  
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## The industry continuously works on:

**Further developing a sustainable basis for fishing of stable and as large as possible quotas**

**Securing good, cooperative relations between governmental authorities, scientists and business**

**Securing competitive conditions for the processing industry**

**Developing an environment for innovation of products/product development**

- In 2018, Danish vessels landed protein fish worth 112,5 mill. £ while fish for human consumption constituted a value of 268 mill. £.
- Danish landings of fishmeal and fish oil constitute around 1/3 of the value of landings for human consumption from Danish vessels.
- Denmark has a dominant part of the quotas for protein fish in the EU, and it is therefore crucial that Denmark secures this part of the fishery.
- The industry annually buys fish worth approx. 201 mill. £ and ensures essential added value through the landings of foreign vessels in Denmark. The primary species are sand eel, sprat, blue whiting and Norway pout.
- The factories annually receive between 100-160.000 tonnes of trimmings from the human consumption industry and helps ensure an optimal utilization of the fish resources and thereby they support the circular economy.
- The industry has a significant importance for jobs and growth in the harbours and societies where the factories are located.
- There is a great potential to expand the production through more stable supply of raw materials.
- The industry annually exports products worth approx. 468 mill. £ to more than 50 different countries and it produces high-quality products with a great international demand.
- In 2018, Denmark was the world's 3<sup>rd</sup> largest exporter of fishmeal and the world's 2<sup>nd</sup> largest producer of fish oil.
- The production of fishmeal and fish oil forms the basis for Denmark as one of the world's leading exporters of fish feed and know-how in the aquaculture sector.
- Ambitious global goals for an increased production of aquaculture towards 2020 depend on an availability of raw materials.
- Sustainability: the industry lives up to international standards and certifications related to raw materials, production and traceability (IFFO RS and MSC).
- Fishmeal and fish oil are irreplaceable as a fed ingredient because they have a high content of proteins, amino acids, omega-3 fatty acids in long chains (EPA and DHA), important minerals such as calcium, phosphorus, magnesium, sodium and selenium as well as B vitamins (B1, B2, B6 and B12). All of these ensures the optimal growth and physical conditions for pets and farmed fish.