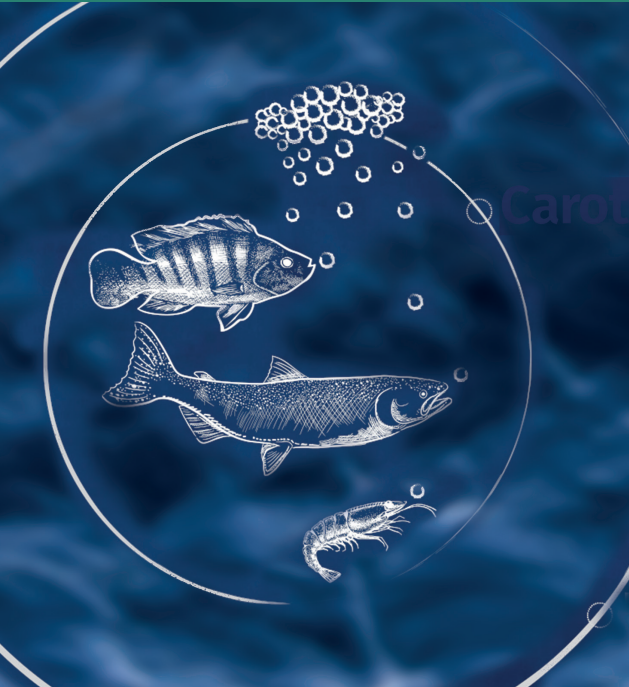


Sustainable Farming Solutions

Aqua



As the world's population grows, the demand for animal protein will continue to rise, placing tremendous pressure on the planet's finite natural resources. Producing more animal protein from aquaculture species is one solution to meet this growing demand. To make this happen, the world will require another 30–40 million tons of fish and shrimp by 2030 – which must be produced within planetary boundaries. The aquaculture market in EMEA will be a significant contributor to this growth.

dsm-firmenich offers a wide range of Solutions & Services to lead a robust and achievable transformation worldwide toward sustainable aquaculture farming.

Our **ESSENTIAL** and **INNOVATIVE SOLUTIONS** are developed to help aqua farmers meet the challenges they face:

- Improving Nutrition & Performance
 - Driving Feed Cost Optimization
 - Promoting Gut Health
 - Mycotoxin Risk Management
 - Supporting Optimal Growth
- Supporting Aquatic Animal Health
- Enhancing End-Product Quality
- Ensuring Sustainability & Animal Welfare
- Safeguarding Feed Quality

Our **PRECISION SERVICE Sustell™** use the latest data analytics and diagnostics to improve animal health, lifetime performance, resource use, and environmental footprint – while mitigating risks and unlocking more value. Greater precision in animal farming is key to a more sustainable and profitable future.

We also offer a range of analytical services, **Spectrum Top® 50** and **Spectrum 380®**, to detect mycotoxin contamination in feed materials, while our **Mycotoxin Prediction Service** uses an algorithm-based forecast to help crop producers, buyers and users make sound decisions in terms of purchasing, quality control and crop management.

These cutting-edge dsm-firmenich products & services provide a wide range of benefits: they can help increase production and productivity, improve welfare, reduce environmental impact, and enhance product quality.

For more information, please contact your dsm-firmenich local representative or visit dsm-firmenich.com/anh.

Sustainable Farming Solutions

Aqua

We strongly believe in sustainable food systems and that the aquaculture industry can transform itself from within to be a part of the solution. We want to play a key role in this transformation and work with our partners at species and country level, to provide tangible and actionable solutions to create brighter lives for all.

At dsm-firmenich, we are committed to unleashing the power of aquaculture. We are focusing our passion and expertise on five efficient & sustainable solutions to support the aqua value chain and address the challenges facing our planet:

 <p>Improving nutrition and performance</p> <p>Carophyll® Pink Mycofix® OVN™ RONOZYME® HiPhos RONOZYME® WX RONOZYME® MultiGrain RONOZYME® VP RONOZYME® ProAct</p>	 <p>Supporting aqua health</p> <p>Rovimax® NX OVN™ Digestarom® Mycofix® AquaStar® Biotronic® Levabon®</p>	 <p>Safeguarding feed quality</p> <p>Mycofix® Biotronic®</p>	 <p>Enhancing food quality</p> <p>Carophyll® Pink OVN™ Mycofix®</p>	 <p>Ensuring sustainability & animal welfare</p> <p>RONOZYME® HiPhos RONOZYME® WX RONOZYME® MultiGrain RONOZYME® VP RONOZYME® ProAct</p>
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Precision services

Sustell™

Other services & tools

- Mycotoxin detection:
 - Spectrum Top® 50
 - Spectrum 380®
- Mycotoxin survey
- Mycotoxin Prediction
- MyToolBox
- Mycotoxins.info
- Mycotoxin Risk Management App
- Digital SalmoFan™
- SalmoFan™
- ShrimpFan™
- OVN Optimum Vitamin Nutrition® Recommendations
- OVN™ Vitamin Checker
- RONOZYME® HiPhos calculator
- dsm-firmenich's NIR calibrations
- Ring test of dietary astaxanthin
- Enzyme recovery test

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