

BEWITAL agri



Functional solutions for modern, sustainable aquaculture – made in Germany.

Aquaculture – the key to feeding the future

Aquaculture is the fastest growing sector of global food production.

Tilapia, salmon and shrimp are important sources of protein –
but farming them places special demands on feed:

it must be high-performance, promote fish health and at the same time be sustainable and water-friendly.

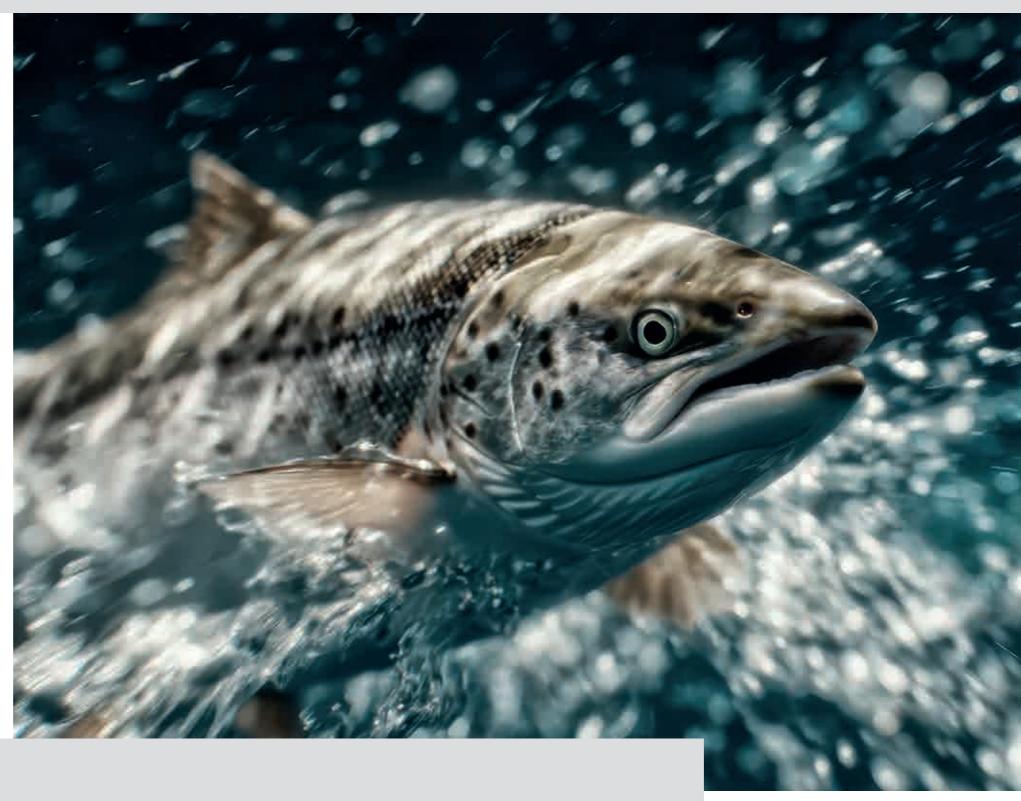
Double expertise for your success

For over 60 years, **BEWITAL agri** has stood for technological expertise in the development and production of fat-based speciality products and modern feeding concepts.

when it comes to plant-based ingredients, we rely on the longstanding expertise of our partner **MartinBauer** – one of the world's leading specialists in botanical solutions with extensive experience in the cultivation and processing of highly sensitive raw materials.

By combining state-of-the-art technology with carefully selected botanicals, we create products that are safe, secure and effective – exactly where it counts: in the fish.

This unique synergy of technology and botany makes **BEWITAL** agri the ideal partner for individual, high-performance solutions in aquaculture.



BOTANICAL EXCELLENCE BY



Synergies with MartinBauer – for phytogenic efficiency

For phytogenic components, we rely on our partnership with MartinBauer, one of the world's leading specialists in botanical ingredients.



Our mission:

Targeted use of functional botanicals in animal nutrition.

Find out more about our cooperation with MartinBauer here.

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Production process of **BEWI-FATRIX®** special mixtures

The production:

- **1.** Addition of hot vegetable fats
- **2.** Addition of other components (e.g. phytogenic substances)
- **3.** Spraying via special nozzles
- 4. Crystallisation / solidification
- 5. Stable **BEWI-FATRIX**® products









Water/stomach stable – for targeted release in the fish.

Embedded and specifically effective: in the fish

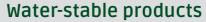
We rely on a special production process: in the **BEWITAL®** suspension process, all functional ingredients – including phytogenic additives – are embedded in a matrix of vegetable fats using spray cooling (cryotechnology).

This targeted embedding provides reliable protection against external influences and ensures that the ingredients have a targeted effect in the animal and are not lost in the water ("leaking out").

This results in functional additives that promote animal health and feed conversion while also meeting the requirements for sustainable, water- and resource-efficient aquaculture.

Your advantages:





with high bioavailability – without "leaking" out into the water



Targeted combination of functional ingredients with synergistic effects



Effective protection against external influences by embedding in a fat matrix (**BEWI-FATRIX**® process)



High acceptance and feed intake even with high active ingredient content

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BEWI-SPRAY® 99 Aqua

To secure the energy supply

With a crude fat content of over 99%, **BEWI-SPRAY®** 99 Aqua is much more than a classic fat powder. It acts as a catalyst in the crystallisation process and forms a stable fat network.

This prevents oils and fats from leaking out of the pellets into the water during feeding, even at high ambient temperatures.



- Allows energy gaps in aquaculture to be closed
- High-quality vegetable fat (rapeseed oil) with a strong crystallisation effect
- Prevents fat from leaking out of the extrudate or pellet
- Improved oxidative stability compared to free oils
- Very good processability and storability thanks to a special production process
- Free-flowing and easy to dose

Application area:

Use **BEWI-SPRAY**® 99 Aqua as a component in fish feed at a concentration of 2-5%.

Packaging sizes:



25 kg bag



big bag

BEWI-FATRIX® SynerG+

To support the intestinal health of the immune system

With a unique combination of medium-chain fatty acids (MCFA), monoglycerides and selected phytogenic ingredients, **BEWI-FATRIX**® SynerG+ supports intestinal health and strengthens the immune system of the fish – especially during sensitive phases.

Thanks to our special **BEWI-FATRIX®** process, the ingredients are embedded in a protective fat matrix: stable in water, reliably absorbed and effective exactly where it counts – in the fish.



- Targeted combination of different fatty acids and phytogenic ingredients enables proven synergistic effects
- Especially for phases of increased demand (e.g. early life stage of fish)
- Stabilises gutl flora and strengthens the immune system
- Very good processability and storage stability thanks to a special production process
- Free-flowing and easy to dose

Application area:

Use **BEWI-FATRIX**® SynerG+ at up to 2% in complete feed.

Packaging sizes:





25 kg bag

big bag

Phytogenics and fats – specifically combined. Effective in animals.

The use of phytogenic substances is becoming increasingly important in aquaculture. They stabilise feed intake and animal health, improve feed efficiency and modulate immune function. Against the backdrop of increasing demands for sustainability and food safety, they offer promising solutions.

Phytogenic substances have a multifunctional effect and at the same time meet the expectations of natural animal nutrition. However, their use poses challenges – for example, in terms of stability in water or sensory acceptance. Here, special processing methods offer a double benefit: embedding the substances in a fat matrix protects the active ingredients from leaking out in water and ensures their effectiveness in fish.

Various fat sources can be specifically combined to embed the ingredients, ensuring both energy supply and functional effects.

Plant extracts in fish feed and their benefits – a selection.

Cinnamon	antimicrobial	digestive aid
Rosemary	antioxidant	liver support
Echinacea	immunomodulation	immune stimulation
Ginger	digestive aid	immune stimulation
Green tee	antioxidant	stress reduction
Turmeric	anti-inflammatory	antioxidant
Oregano	antimicrobial	growth promotion
Thyme	immunstimulation	anti-inflammatory





Looking for something special and unique? Then you've come to the right place.

At BEWITAL agri, we know that every aquaculture operation has its own challenges – whether in terms of fish species, young fish, different markets or specific environmental conditions. That's why we develop solutions that are precisely tailored to your requirements.

With over 60 years of experience in animal nutrition, state-of-the-art fat technology and the botanical expertise of our partner MartinBauer, we create innovative products that specifically promote the health, growth and stability of your fish – effectively, sustainably and in an environmentally friendly way.



Tailor-made solutions

We work closely with you to develop tailormade solutions – 100% made in Germany. Precisely tailored to your target markets, fish species such as tilapia, salmon or shrimp and your individual requirements.

We'll find the solution for you. Contact us!





















BEWITAL agri

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