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Aquafeeds

MiAlgae launches novel nutrient-rich powder for use in aquaculture feed

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By Responsible Seafood Advocate

Scottish Biotech company to produce ‘hundreds of tons’ of nutrient-rich powder for aquaculture feed

Scotland-based biotech company MiAlgae has launched its omega-3 product, NaturAlgae – a dry powder with a high concentration of DHA and other oils. The powder can be added to recipes for pet food and aquaculture feed, offering the health benefits that omega-3 provides.

MiAlgae recycles the co-products from the Scotch whisky industry, like pot ale, as a feedstock to grow omega-3-rich microalgae, which can then be used as a nutritious fish feed and pet food ingredient. This manufacturing process aims to reduce global reliance on wild-caught fish (the traditional source of omega-3), reduce carbon emissions and prevent the loss of ocean ecosystems.

“We’re committed to scaling quickly and have plans to work closely with a number of distilleries across Scotland where we can co-locate MiAlgae’s technology with the distilleries, creating an on-site water recycling solution for the distillery, and a greater production capacity for MiAlgae,” said Douglas Martin, founder of MiAlgae. “This will allow us to expand rapidly and make a very real stride towards the sector’s environmental goals.”

Following the installation of eight new bioreactors north of Glasgow, it’s anticipated that MiAlgae will



NaturAlgae, a dry powder with a high concentration of the omega-3 fatty acid DHA and other oils, can be added to aquaculture feed. MiAlgie Biogas Site, Balfon. Photograph by Martin Shields.

soon be producing hundreds of tons of nutrient-rich omega-3 powder per year.

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“This expansion of our commercial production site marks a huge milestone on our journey to champion the circular economy,” said Martin. “With the addition of our new equipment, we are now able to take our product to market at a meaningful scale with significant headroom to grow.”

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