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Arbiom Achieves Continuous Fermentation Milestone

Biotechnology pioneer continues on path to commercialization, announcing success of several continuous one-week fermentation operations at 15m³ scale

Paris, France / Durham, NC – March 12, 2021 – [Arbiom](#), an agricultural-biotechnology company developing solutions to convert wood into protein for feed and food applications, today announced that it has achieved another critical step in its Demonstration Program to scale up its technology to produce an alternative protein ingredient, SylPro®. The company successfully completed continuous, stable operation of its fermentation technology at a 15m³ scale several times over a seven-day period without contamination or product quality issues. This performance builds upon Arbiom's [successful achievement of continuous operations at the 1m³ scale](#). Similar results between the subsequent runs were observed, demonstrating process robustness and repeatability.

Throughout the demonstration program, fermentation and downstream process stages ran smoothly and continuously to successfully produce 2.5 tons of SylPro, which exceeded Arbiom's initial target. Performance was maintained from lab-scale to pre-industrial scale, and the downstream processing stage was improved in terms of higher throughput and process simplification. To complete the continuous run, Arbiom worked with Bio Base Europe Pilot Plant ([BBEPP](#)), a partner in the [SYLFEED Consortium](#), at BBEPP's facility in Belgium.

"Our long-lasting relationship with BBEPP has been a key factor contributing to the success of Arbiom's Demonstration Program," said Marc Chevrel, Arbiom CEO. "We want to thank the BBEPP team for their dedication and support to Arbiom's successful technology scale-up initiatives to reach full commercialization."

"We are delighted to reach this milestone with Arbiom, as this achievement is essential in scaling up the company's industrial biotechnology to commercial production," said Muriel Dewilde, Business Development Manager with BBEPP. "We look forward to finishing out our successful partnership with Arbiom supporting its Demonstration Program this year," said Dewilde.

To date, Arbiom has completed more than 2,000 hours of process scale-up operations, surpassing the commercial-scale industry standard of 1,000 hours. The team is on track to accumulate an additional 800 hours of continuous fermentation operations through 5 additional fermentation campaigns, and produce approximately six tons of SylPro® by the end of the Demonstration Program, which will conclude at the end of 2021.

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About Arbiom

Arbiom is committed to meeting the sharp increase in global food and resource requirements with technology that transforms the most sustainable and readily available carbon source in the world – wood – into intermediate materials for a range of applications in the feed, food, and chemicals industries. Arbiom's technology platform integrates the company's proprietary biomass processing and fermentation expertise to convert wood into a nutritional, sustainable protein source. Arbiom is partnering with biomass stakeholders and leading firms in aquaculture, biotechnology and bio-based industries to continue developing and scaling up its technology. Headquartered in Durham, North Carolina, Arbiom also has an office in Paris, France. To learn more, visit www.arbiom.com

About Bio Base Europe Pilot Plant (BBEPP)

Bio Base Europe Pilot Plant (BBEPP) is an independent, state-of-the-art facility that operates from a laboratory level to a multi-ton scale. BBEPP is a service provider for process development, scale-up and custom manufacturing of biobased products and processes. A wide and flexible spectrum of modular unit operations combined with a team of highly trained and experienced engineers and bioprocess technicians enable the facility to translate companies' biobased lab protocol into a viable industrial process. To learn more, visit www.bbeu.org

About SYLFEED

SYLFEED is an international and multidisciplinary 4-year project aiming at scaling-up Arbiom's Wood to Food Technology to convert wood residues into a protein-rich ingredient comprised of SCP (Single Cell Protein) and test it in aquaculture applications. SYLFEED gathers 10 partners all along the value chain from wood sourcing to fish feed manufacturing & testing to address the European protein gap. SYLFEED demonstrates Arbiom's technology at larger scale and prepares for industrial scale-up. More information on <http://www.sylfeed.eu>

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