

## For Immediate Release

Media Contact:

Mark Van Hook

Largemouth Communications

[mark@largemouthpr.com](mailto:mark@largemouthpr.com)

### **Arbion SylPro® Demonstrates Strong Performance in Weanling Pig Diets**

*High-quality protein ingredient derived from wood shows promise as alternative to fish meal*

**DURHAM, N.C.** – April 7, 2020: [Arbion](#), an agricultural-biotechnology company developing solutions to convert wood into feed and food, announced that it has completed successful trials of its protein product, SylPro®, for weanling pig nutrition.

The research, which was published in the [Journal of Animal Science](#)<sup>1</sup> and conducted at the University of Illinois in [The College of Agricultural, Consumer and Environmental Sciences \(ACES\)](#), determined the digestibility of amino acids, energy, and phosphorus in a torula yeast protein ingredient produced by Arbion.

“Our study shows we can use the torula yeast product instead of fish meal in diets for weanling pigs,” said [Hans H. Stein](#), Professor of in the Department of Animal Sciences at the University of Illinois, ACES. “Torula yeast has greater digestibility of amino acids and phosphorus, but not energy, compared with a commercial source of fish meal fed to weanling pigs,” says Stein.

The researchers found that the amino acids from SylPro® were more digestible by young pigs than amino acids from fish meal. Trial results ultimately showed Arbion SylPro delivered the necessary nutritional performance as fish meal as a protein source in weanling pig feed.

Ricardo Ekmay, VP of Nutrition & Product Development added, “We at Arbion believe digestibility is a critical component of sustainability. Greater nutrient utilization, particularly of nitrogen and phosphorus, directly translates to a lower environmental impact.”

“It’s possible that the torula yeast product may also have immune-boosting properties relative to fish meal, which we plan to investigate in our next study, along with growth performance of pigs fed a torula yeast-based diet,” Stein said.

Arbion is commercializing technology to produce the protein ingredient at industrial-scale for use in feed and food applications. “The successful weanling pig trial results are another significant

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<sup>1</sup> L. Vanessa Lagos, Hans H Stein, *Torula yeast has greater digestibility of amino acids and phosphorus, but not energy, compared with a commercial source of fish meal fed to weanling pigs*, Journal of Animal Science, Volume 98, Issue 1, January 2020, skz375, <https://doi.org/10.1093/jas/skz375>

step on Arbiom’s path to demonstrate and commercialize SylPro in the market,” said Marc Chevrel, CEO of Arbiom. “This research adds to the previous successful and consistent trial results we have seen, showing SylPro is a nutritional, economical, traceable, and most importantly, sustainable protein source that can be used in feed for several species.”

The article, “Torula yeast has greater digestibility of amino acids and phosphorus, but not energy, compared with a commercial source of fish meal fed to weanling pigs,” is published in the *Journal of Animal Science* [DOI: [10.1093/jas/skz375](https://doi.org/10.1093/jas/skz375)]. The research was supported by Arbiom. The Department of Animal Sciences is in the [College of Agricultural, Consumer and Environmental Sciences](#) at the [University of Illinois](#).

### **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](http://www.arbiom.com)



### **About the University of Illinois ACES**

The College of Agricultural, Consumer and Environmental Sciences (ACES) has been an integral part of the University of Illinois from day one. Although proudly ranked among the top 30 agricultural schools worldwide, today we are more than agriculture. ACES is a diverse college with top-rated programs in engineering, finance and economics, nutritional science, and more. While our faculty and student body have various specialties and areas of interest, we are all working toward a common goal of improving daily life for people around the world.

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