University of Missouri

Collaborative Study in Swine

Confluence Genetics' ProVIA™ Ultra-High Protein, Low Oligosaccharide Soybean Meal Delivers More Metabolizable Energy to Grower Pigs Than Conventional Soybean Meal

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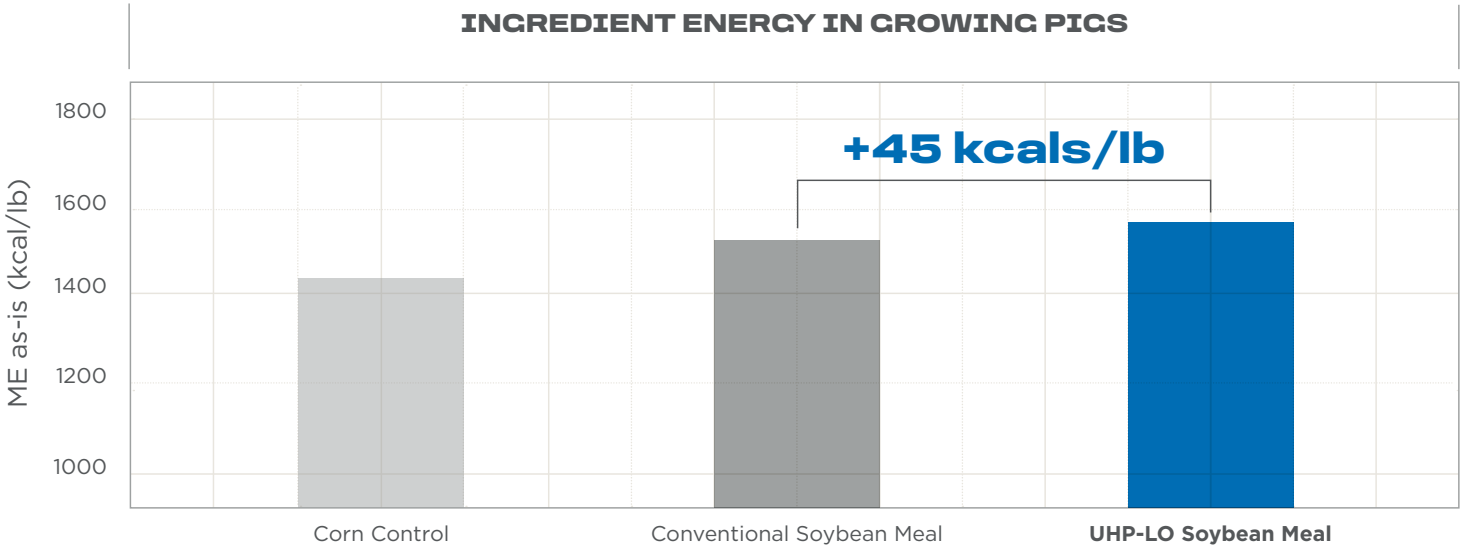
A NEW STUDY IN SWINE SHOWS THAT CONFLUENCE GENETICS PROVIA™ ULTRA-HIGH PROTEIN, LOW OLIGOSACCHARIDE (UHP-LO) SOYBEAN MEAL DELIVERS AN EXTRA 45 KCAL/LB METABOLIZABLE ENERGY OVER CONVENTIONAL SOYBEAN MEAL.

Soybean meal (SBM) made from Confluence Genetics' ProVIA™ Ultra-High Protein, Low Oligosaccharide (UHP-LO) soybeans has significantly higher protein and lower anti-nutrients than conventional SBM. Recent research in poultry has shown that UHP-LO SBM also has significantly higher metabolizable energy, increasing the potential for this energy-dense ingredient to lower feed costs and improve animal performance.

New research conducted by Dr. Amy Petry at the University of Missouri found that UHP-LO SBM delivers an extra 45 kcals/lb metabolizable energy over conventional SBM in grower pigs, suggesting that the improved energy density translates across species. These results indicate that UHP-LO SBM can create value for swine producers as an ingredient with increased protein and energy density, nutritional benefits which could help lower feed costs, especially in high-energy diets. The following report prepared by Dr. Amy Petry's group details these new study results.



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DR. AMY PETRY

Assistant Professor of Monogastric Nutrition

Research focused on enhancing fiber utilization and its impact on energy and health benefits in swine diets, exploring the interactions between diet and physiology at a whole-body level, optimizing energy and nutrient supply during homeorhetic states, and developing nutritional biomedical pig models.

Ph.D. in Animal Nutrition from Iowa State University, 2020

1. Perryman and Dozier, 2012, Poultry Science, Oct;91(10):2556-63 doi: 10.3382/ps.2012-02379
2. Commercial trial overviews, https://bensonhill.com/industries/better-feed/poultry-feed/, resource downloads

About Confluence

Confluence Genetics is a seed innovation company where the forces of nature and technology converge—unlocking the genetic diversity of soy quality traits through proprietary genetics, its AI-driven CropOS® platform, and its Crop Accelerator. Confluence Genetics collaborates with strategic partners throughout the agribusiness value chain to meet the demand for better feed, food, and fuel. More information can be found at confluence.ag.

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