

Reducing feed cost and the environmental footprint and enhancing global competitiveness of Canadian pork production by increased nutrient utilization of feedstuffs fed to growing-finishing pigs

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SPG Contributions	Project Status	Duration/Timeline of Project (Year to Year)	Co-funders
\$106,140.00	Active	April 2018 to March 2023	Agriculture and Agri-Food Canada (amount unknown)

Project Description

The use of pulses as a protein supplying ingredients in animal feed, including swine, are limited. Pulses are often limited in one or more amino acids (methionine/ cysteine and/or tryptophan), resulting in reduced protein quality of the ingredient compared to animal derived protein sources. A deeper understanding of the effects of processing on pulse nutrients and on protein quality and developing both standardized ileal digestibility (SID) coefficients as well as metabolic availability (MA) of amino acids of pulses will allow for greater utilization.

Outcome

Research Objective

OBJECTIVE 1

To reduce feed costs, improve feed efficiency and optimize feed formulation by characterizing novel ingredients and alternative feed crops to expand the feedstuff matrix.