



480 Research report

Lindberg - 2014 - Fiber effects in nutrition and gut health in pigs

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In **Significant Impact Groups:**

Feed / gut health \ Feed composition

Species targeted: Pigs;

Age: Not stated;

Summary:

Fiber intake will have an impact on the expression of intestinal epithelial heat-shock proteins in the pig. Heat-shock proteins have an important physiological role in the gut and carry out crucial housekeeping functions in order to maintain the mucosal barrier integrity. Thus, there are increasing evidence showing that fiber can have prebiotic effects in pigs due to interactions with the gut micro-environment and the gut associated immune system.

Corn and soybean meal are the main staples in the diet for pigs and poultry, providing most of the energy and nutrients needed. It is argued that although other cereals, such as wheat, and by-products, such as rice bran and distiller's grains, are used as alternative feedstuffs in part of the world the quantities available are not sufficient to replace corn and soybean meal in the global pig and poultry industry.

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Where to find the original material:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3975931/pdf/2049-1891-5-15.pdf>;

<https://dx.doi.org/10.1186%2F2049-1891-5-15>

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