



481 Research report

Review: Dietary fiber utilization and its effects on physiological functions and gut health of swine

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In **Significant Impact Groups:**

Feed / gut health \ Feed composition

Species targeted: Pigs;

Age: Not stated;

Summary:

This review provides relevant information on the utilization of dietary fiber (DF) by pigs and its effects on gut physiological functions, microbiota and health. This review delivers in-depth insight on both negative and positive effects of different fibers inclusion in swine diets. The DF lowers nutrient digestibility in swine. But, the fermentation of DF in the gut affects positively by modulating gut environment and potentially favoring 'beneficial bacteria', thereby improving gut health of pigs. These insights will help swine nutritionists and researchers in nutrition programing for better gut health of pigs by utilizing dietary fiber from different sources.

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Where to find the original material:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4574174/pdf/S1751731115000919a.pdf>;

<https://dx.doi.org/10.1017%2FS1751731115000919>

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