

Title: Impact of vaccination on transmission of *Lawsonia intracellularis* in pigs – NPB #17-131

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Abstract

Studies determining transmission rates and probability of infection in naïve and vaccinated animals proven to have great value in driving important decisions to control important swine diseases, such as influenza and *Mycoplasma hyopneumoniae* (Romagosa et al 2011 and Roos et al 2016). The broad objective of the present research project is to evaluate differences in growth performance, transmission patterns of PE and quantify the spread of *L. intracellularis* in naïve and vaccinated pigs by estimating the transmission rate and expected probability of infection.

These research results were submitted in fulfillment of checkoff-funded research projects. This report is published directly as submitted by the project's principal investigator. This report has not been peer-reviewed.

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