



327 Research paper

On-farm comparisons of different cleaning protocols in broiler houses

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In **Significant Impact Groups:**

Biosecurity \

Species targeted: Poultry;

Age: Young;Adult;

Summary:

The present study evaluated the effectiveness of 4 cleaning protocols designed to reduce the bacteriological infection pressure on broiler farms and prevent food-borne zoonoses. Additionally, difficult to clean locations and possible sources of infection were identified. Cleaning and disinfection rounds were evaluated in by sampling 12 broiler houses on 5 farms. Bacterial counts counts on the swab samples showed that cleaning protocols which were preceded by an overnight soaking with water caused a higher bacterial reduction compared to protocols without a preceding soaking step. Moreover, soaking of broiler houses leads to less water consumption and reduced working time during high pressure cleaning. No differences were found between protocols using cold or warm water during cleaning. Drinking cups, drain holes, and floor cracks were identified as critical locations for cleaning and disinfection in broiler houses.

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Where to find the original material:

<https://www.sciencedirect.com/science/article/pii/S0032579119322308>;

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