

Aviguard for Broilers – The Clinical Evidence

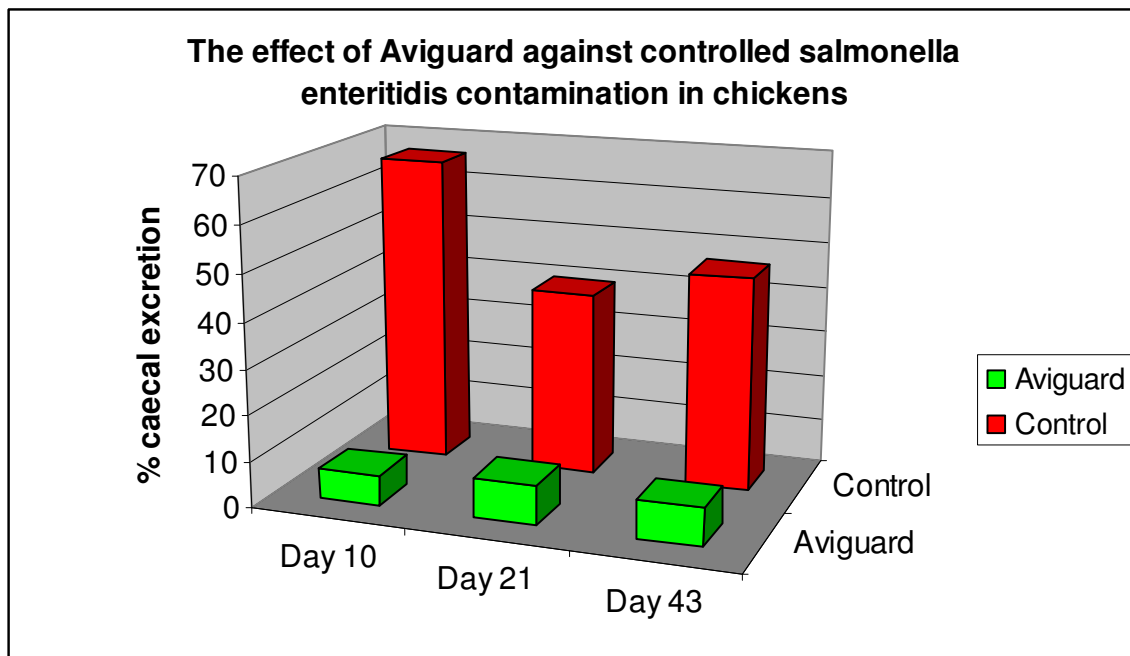
Salmonella

Effect of a gut microflora (Aviguard) against controlled *Salmonella enteritidis* contamination in chickens

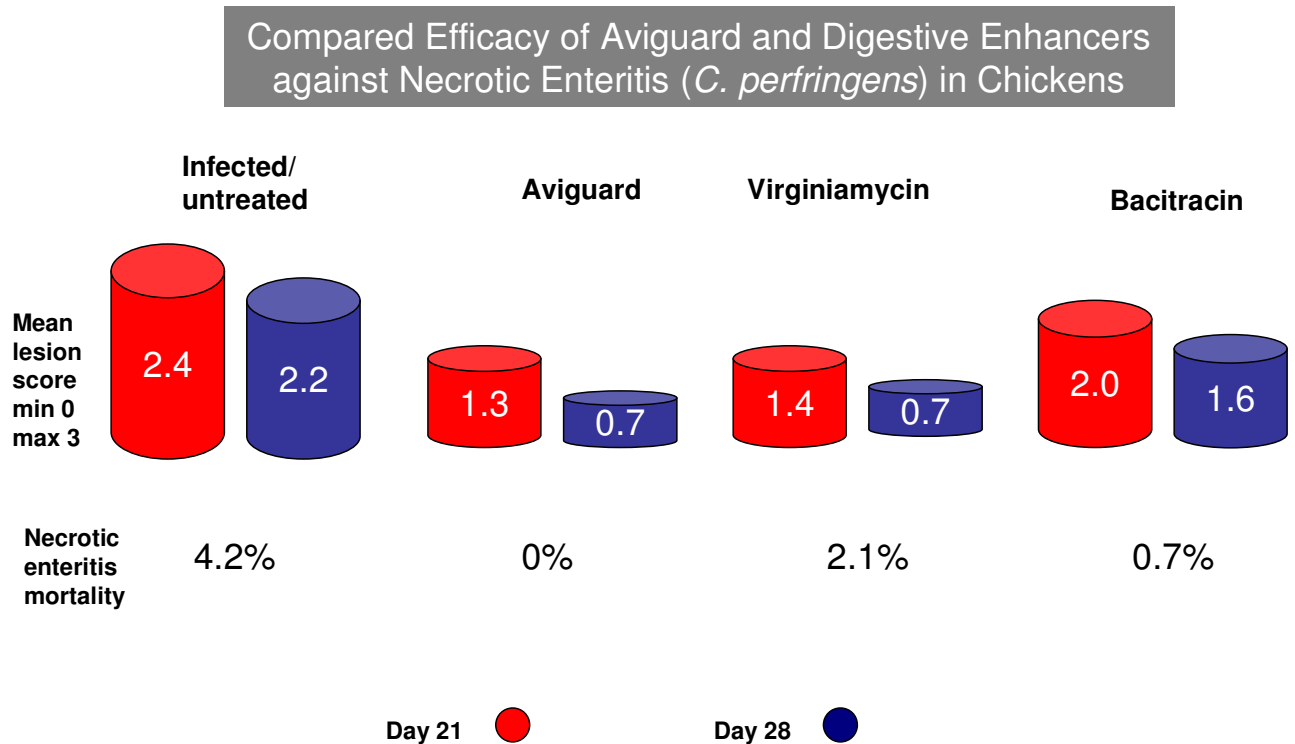
Guillot J.F et al

Université et INRA de Tours, France

- Birds received aviguard as a coarse spray at day old
- Control group received nothing
- Seeder birds were challenged with 5×10^5 *S. enteritidis* phage type 4 and introduced to test birds at day 2
- Test birds were removed at 10, 21 and 43 days and the challenge organism was cultured from the caecal contents
- **The results showed that the application of Aviguard by spray at day old significantly reduced the caecal colonisation of *S. enteritidis* compared to controls**



Clostridium Perfringens



- Studies by Hofacre et. al. showed that Aviguard compares favourably against growth promoters virginiamycin and zinc bacitracin and is effective in reducing gross lesions, mortality and performance losses caused by clostridium perfringens associated necrotic enteritis
- Further studies showed that Aviguard outperformed other CE products and probiotics for necrotic enteritis control
- In UK field studies enteritis caused by clostridium perfringens has been eliminated from broiler farms with a history of continuous infection after 3 consecutive crop cycles using Aviguard
- Continuous use of Aviguard each crop cycle has eliminated the use of water soluble antibiotics for treatment of enteritis
- Aviguard can be considered a serious alternative to antibiotic growth promoters for control of enteritis.

Pathogenic E. coli

- Aviguard is proven to reduce the establishment of and shedding of a multi-resistant pathogenic E. coli in chickens.
- This may afford better control of environmental contamination with resistant pathogenic strains, by allowing replacement with sensitive non-pathogenic strains.