

Aviguard® for broilers and broiler breeders

Aviguard should be used whenever there is a need for establishment or re-establishment of the normal intestinal bacteria. In stress situations, the normal intestinal bacteria may be disturbed, which can result in pathogenic bacteria taking hold.

Assuming that the basics (stocking density, temperature, ventilation and air quality, feed and water quality and supply) are right, and good biosecurity principles are being followed, the following can be stressful to broilers and broiler breeders:

Broilers

- Feed changes
- Vaccination
- Thinning

Broiler breeders

- Vaccination – the vaccination schedule for the typical broiler breeder can be quite crowded
- Grading
- Feed control
- Transport from the rearing farm to the laying farm

If birds are treated with antibiotics (under the direction of a veterinary surgeon), the balance of beneficial bacteria in the intestine may be disrupted. Aviguard can help to restore a normal intestinal flora.

Please consult your veterinary surgeon regarding disease prevention and control, and for biosecurity best practice.



Aviguard® – The trials evidence

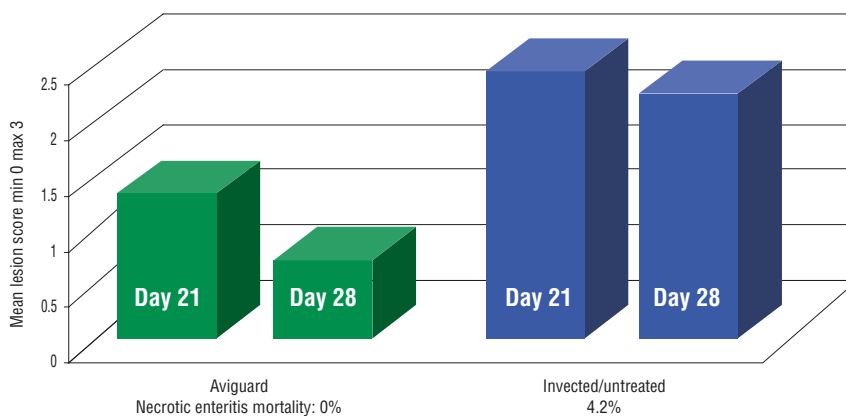
Salmonella

- Compared to challenged controls, Aviguard applied as a coarse spray to day old chicks significantly reduced caecal colonisation of *S. enteritidis*¹
- Aviguard protects chicks from overwhelming salmonella colonisation, without affecting the normal antibody response²

Necrotic enteritis

- Aviguard is effective in reducing gross lesions, mortality and performance losses caused by *Clostridium perfringens* associated necrotic enteritis (NE)³

Aviguard vs no treatment against NE (*C. perfringens*) in chickens

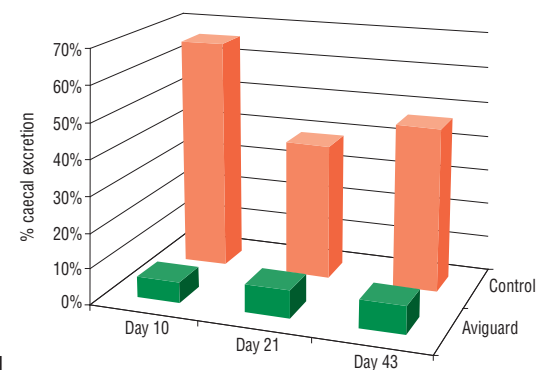


- Aviguard outperforms other Competitive Exclusion products and probiotics for necrotic enteritis control⁴

Pathogenic *E. coli*

- Aviguard is proven to reduce the establishment and shedding of multi-resistant pathogenic *E. coli*⁵
- Using Aviguard may allow better control of environmental contamination with resistant pathogenic strains, by allowing replacement with non-pathogenic sensitive strains

The effect of Aviguard against controlled *Salmonella enteritidis* contamination in chickens



References

1. Guillot J.F *et al.* Universite et INRA de Tours, France. (Date TBA)
2. Nakamura A *et al.* Poultry Science 2002; 81: 1653-1660.
3. Hofacre CL *et al.* J Appl. Poultry Res 1998; 7: 412-418.
4. DOF: George B *et al.* 2001 Colorado Quality Research Inc, Wellington. USA. Aviguard Training Manual, Microbial Developments Ltd.
5. Reynolds D. Proceedings of II Bayer European Poultry Symposium, Cascais, 1998, 33-36.

Aviguard contains live commensal bacteria. Aviguard is a trademark of Schering-Plough Animal Health.

Further information is available from: Schering-Plough Animal Health, Division of Schering-Plough Ltd, Breakspear Road South, Harefield, Uxbridge, Middlesex UB9 6LS.