



Supplementation with Miya-Gold® reduces clinical *Salmonella* in weaned piglets

Trial description

Set-up

- ▶ Location: Sow farm (Denmark)
The farm was struggling with increasing incidence of nonspecific diarrhoea (*E. coli* and *Salmonella* spp.).
No response to antibiotic treatments could be observed.
- ▶ Groups:
 - Control group: all piglets weaned in Q2.
 - Treatment group: all piglets weaned in Q3 and Q4.

Clinical *Salmonella* outbreak started in week 24.

Miya-Gold® supplementation started in week 28 (Q3).

Treatment

- ▶ Control group: piglets received basal diets that included benzoic acid. During the first 14 days post-weaning 2500 ppm of ZnO were added.
- ▶ Treatment group: piglets received the same basal diets supplemented with Miya-Gold®:
 - 6-9 kg pigs: 2 kg Miya-Gold®/mT
 - 9-15 kg pigs: 1 kg Miya-Gold®/mT
 - 15-30 kg pigs: 0.5 kg Miya-Gold®/mT

Miya-Gold® is a probiotic containing 5×10^8 CFU viable spores of *Clostridium butyricum* per kg. 1500 ppm formic acid was added to the drinking water.

Measurements

- ▶ Weekly mortality and average daily gain (ADG, g/day).

Results

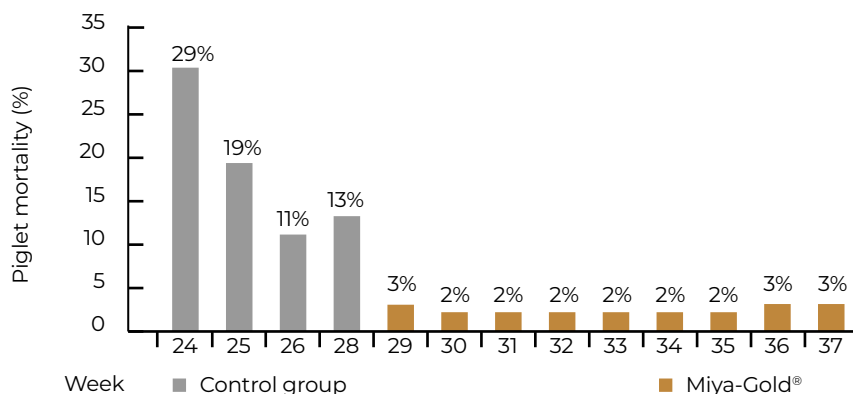


Figure 1. Weekly piglet mortality

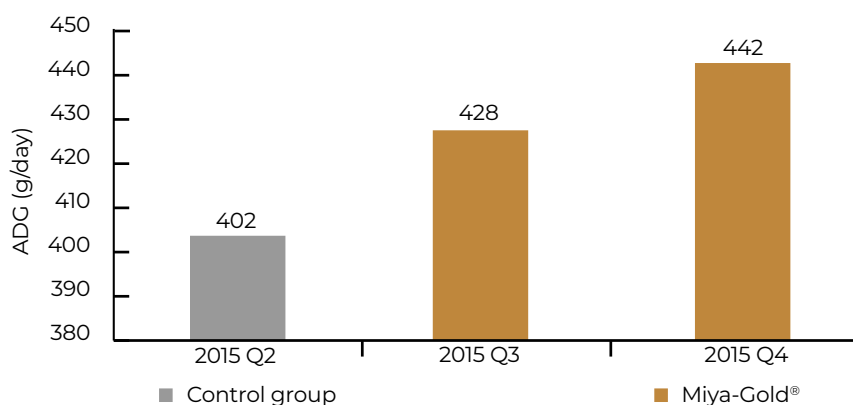


Figure 2. ADG before and after Miya-Gold® treatment

Conclusions

Adding Miya-Gold® to the piglet diets resulted in:

- ▶ Stopping a clinical *Salmonella* outbreak which translated to the disappearance of diarrhoea.
- ▶ Decreased mortality (-7%).
- ▶ Increased ADG (+10%).