



Miya-Gold® Extra

Supplementation with Miya-Gold® S reduces antimicrobial consumption in piglets

Trial description

1 Set-up

- **Location:** Sow farm, 35 000 piglets / year (Denmark)
Weaned piglets severely affected by *enteritis* – *Enterobacteriaceae* - causing high mortality.
- **Groups:**
 - Control group: all piglets weaned from October 2014 till June 2015
 - Treatment group: all piglets weaned from July 2015 till December 2015
Miya Gold® supplementation starts in w28 (July) 2015

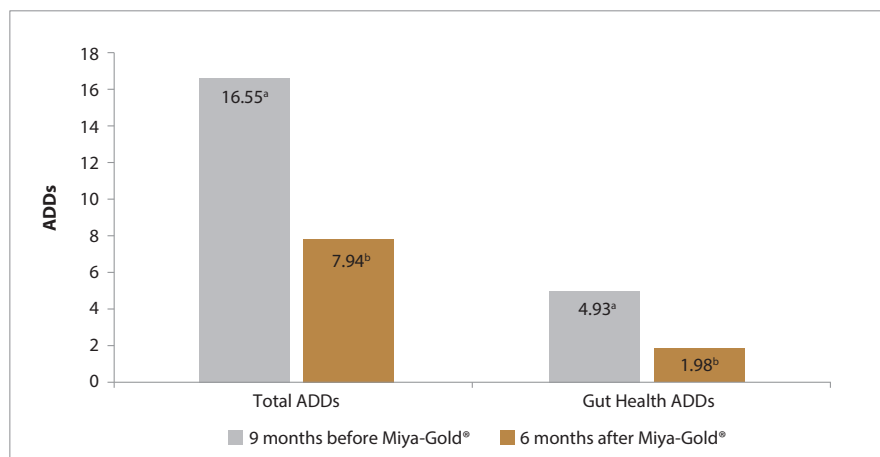
2 Treatments

- 6-9 kg pig: 2 kg Miya Gold® S / mT
- 9-15 pigs: 1 kg Miya Gold® S / mT
- 15-30 kg pigs: 0.5 kg Miya Gold® S / mT

3 Follow up

- Antimicrobial consumption (as Average daily doses, ADDs) by Danish ministry of agriculture.
- Weekly mortality comparing:
 - Control period: w24-27 (4 weeks before Miya Gold® S supplementation)
 - Treatment period: w28-36 (9 weeks after Miya Gold® S supplementation)

Results



Different letters, $P > 0.05$; ADDs: antibiotics average daily dose (in mg / head)

Figure 1: Antimicrobial use (ADDs) before and during the supplementation of Miya Gold® S

Conclusion

On a farm affected with *Enterobacteriaceae*, adding Miya Gold® to the Piglets diet, resulted in:

- a reduction of the mortality - from $\pm 10\%$ to $\pm 3\%$
- a Significant reduction in **total antibiotics use (-50%)**
- a significant reduction in **Gut health antibiotic use (-60%)**