



ESPHM

3-5 MAY 2017
PRAGUE CONGRESS
CENTRE
CZECH REPUBLIC

2017

9TH EUROPEAN SYMPOSIUM OF PORCINE HEALTH MANAGEMENT

PRAGUE / CZECH REPUBLIC



Proceedings

WWW.ESPHM2017.ORG



ECPHM

EUROPEAN COLLEGE
OF PORCINE HEALTH
MANAGEMENT



CONNECTING VETS

EUROPEAN ASSOCIATION OF PORCINE HEALTH MANAGEMENT



WEL-026 - IN-FEED ANTIBIOTICS OR SODIUM SALT OF COCONUT FATTY ACID DISTILLATE ON PERFORMANCE IN POST-WEANED PIGLETS

C. Sol¹, M. Puyalto¹, M.I. Gracia², J.J. Mallo¹

¹ NOREL S.A., Madrid, Spain

² IMASDE Agroalimentaria S.L., Madrid, Spain

Objective

The objective of the present study was to evaluate the effect of DICOSAN (sodium salt of coconut fatty acid distillate) on performance parameters in post-weaned piglets.

Material & Methods

A total of 240 piglets, with 28 d of age (7.7 ± 0.80 kg) were randomly distributed according to their initial body weight (BW) into 24 pens with 10 piglets per pen. There were three treatments: CON-, control diet with no additives nor antibiotics; CON+, control diet plus 120mg/kg of colistin and 3000ppm of ZnO; DIC, control diet plus DICOSAN at 3kg/t of feed in the pre-starter diet and 1 kg/tn of feed in the starter diet. The trial lasted 42 days, the pre-starter diets were offered *ad libitum* from 28 d to 42 d and the starter diets from 43 d to 70 d of age. At the end of each period, animals were weighted and data from feed intake and mortality were recorded. Results were analyzed by one way ANOVA using GLM procedure of SSPS v. 19.0, with the initial BW as a covariable.

Results

There were no differences in the productive parameters at 42 d. At 70d, piglets fed CON+ diet were the heaviest (22.53, 24.42 and 22.63 kg, for CON-, CON+ and DIC, $P=0.006$). Moreover, the feed conversion ratio (FCR) of piglets fed DIC diets were the same than those fed CON+ (1.62, 1.54 and 1.54, for CON-, CON+ and DIC, $P=0.108$). The mortality of DIC group was the lowest (5.0, 2.5 and 0.0 for CON-, CON+ and DIC, $P=0.073$).

Discussion & Conclusion

It can be concluded that the better results achieved by medicated diets (CON+) can be also achieved by DICOSAN as showed by the results in the FCR and in the low mortality. These results reinforce DICOSAN as a good alternative to antibiotics in pig diets.