

# FRA<sup>®</sup>MELCO

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## The effect of FRA AC34 dry on performance in sows and their piglets

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***TRIAL REPORT***

Public version

Trial code: SM\_DS140001

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### 1. Introduction

FRA AC34 dry, part of the Health program, is a blend mainly based on the combination of monoglycerides of propionic and butyric acid supplemented with a combination of essential oils. Applying this specific combination to sows results in increase of animal health and performance, measurable by parameters as growth, and feed conversion ratio (FCR). It provides farmers a unique application that can improve piglet health via sow's feed.

This trial report presents the results on performance of piglets after adding FRA AC34 dry to the feed of the sow. The experiment is performed in Thailand, 2014.

### 2. Material and Methods

A group of 77 gilts was treated with FRA AC34 dry (2kg/ton of feed) from approximately 7 days before farrowing until first service. A control group of 52 gilts was fed the usual feed, and additional Colistine. All animals were housed in the same stable. During the lactation period only pre-weaning mortality (%) was measured. At weaning average weaning weight (kg), total litter weight (kg), and weaned piglets per sow (n) were measured. After weaning the number of days until first service of the sows is measured.

### 3. Results

Results of the trial are presented in Table 1.

**Table 1.** Effect of FRA AC34 dry on piglet performance

	Control	FRA AC34 dry
Pre-weaning mortality (%)	14.0	9.3
Average weaning weight (kg)	7.25	7.79
Litter weight at weaning (kg)	54.12	73.00
Weaned pig per sow (n)	7.16	8.69
Wean to first service (n days)	8.78	6.00

### 4. Conclusion

In conclusion, this experiment showed that inclusion of 2 kg FRA AC34 dry per ton of feed one week before farrowing leads to an improved performance of piglets during lactation, and improved reproduction results of sows after weaning. These results suggest that piglets benefit from FRA AC34 dry when fed to sows.

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For additional info about this trial please contact [R&D@framelco.com](mailto:R&D@framelco.com)