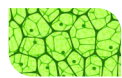


Editorial

Welcome to the new Norfeedians!

With our activity expanding globally, our team is growing too, and we're delighted to welcome new team members joining the Nor-Feed adventure : Emmanuelle is based in Beaucouzé and works as executive assistant. Natacha is a new member of the R&D team and is research engineer in the FeedInTech laboratory, and Weishan just started as technical and business development manager for China, based in Guangzhou. If you believe in botanicals and look for new challenges, let us know!

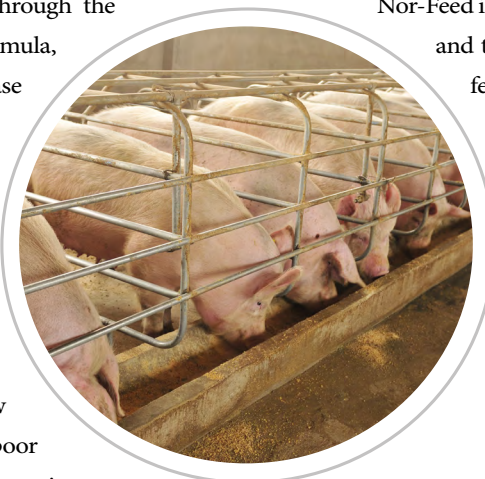


Focus on...

Feed cost: what are the levers available?

“The continuous increase of raw material prices”; “Feed costs are soaring”; “We expect high prices for months again”... Every day we can read these alarming titles in newspapers, as the animal production chain is impacted, from premixers to farmers via feedmillers, with cost increases. Every year has its hot topic and we can assume that this will be the one of 2022, despite the signs of resilience and strength coming from the “water tiger” for Asian countries. So the question remains: what can we do to manage the high cost of raw materials when we do not have any lever on prices?

Diet optimisation by adjusting to the animal's needs and using phase feeding or improvement of the feed through the processing/manufacturing, or via the formula, are different ways used nowadays to decrease feed cost. However, we observe worldwide a trend these last years which is accentuated because of the high prices. There are now two categories of feed: the low-cost feed on one hand; and the high quality/high performance feed on the other hand. Both can help reducing the feed cost in different manners. For a low-cost diet, although the raw materials are cheap, they also come with a poor quality (regarding antinutritional factors, mycotoxins, ...) and that affects directly the animal performance. Therefore, farmers do not take any real advantage because animals will need more feed to grow the same rate as before. At the contrary, a high-quality diet which appears expensive is, at the end, cost-effective for all: it leads to better performances, which means less feed necessary for the growth until slaughter, finally resulting in animals in better health - and at the same time less medicated.



A way to improve the feed quality is to improve the nutrient absorption, which can be reached by using solutions modulating the intestinal microbiota. The gut microflora plays a major role on the digestion for monogastric. It brings in particular an enzymatic hydrolysis of starch, polysaccharides or cellulose, as well as a fermentation of some non-digestible particles in the large intestine to the production of Short Chain Fatty Acids (SCFA). These are essential to meet the energy needs (Richards et al., 2005) and many other beneficial nutrients, like vitamins useful for the animal, its health and growth (Stevens et al., 1998).

Nor-Feed is aware of that global issue of raw material prices and takes part on its own scale to help reducing the feed cost. Natural prebiotics, as Nor-Spice AB, have demonstrated its efficiency to modulate the microbiota. Thus, they enhance the feed valorisation, the nutrient utilisation and so the animal performances.

Sources : Stevens et al., 1998; Richards et al., 2005.

Field Evidence

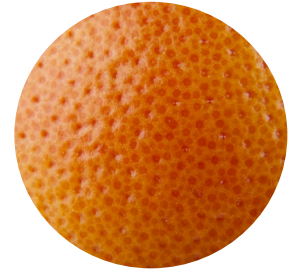
Nor-Spice AB®: a cost-effective solution to reduce feed cost

Materials and method:

864 piglets weaned at day 28 (Duroc x Large-White x Landrace) divided into two groups:

- A Control group fed with a standard diet;
- A Nor-Spice AB group fed with a standard diet + 250 ppm of Nor-Spice AB.

Duration: 42 days.



Results:

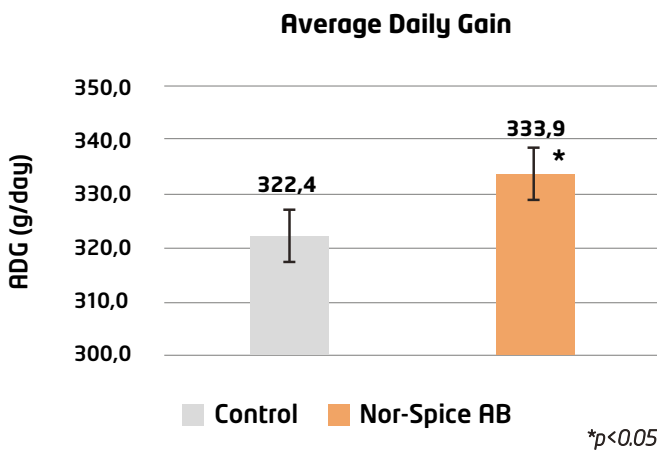


Figure 1: Average daily gain between day 28 and day 70

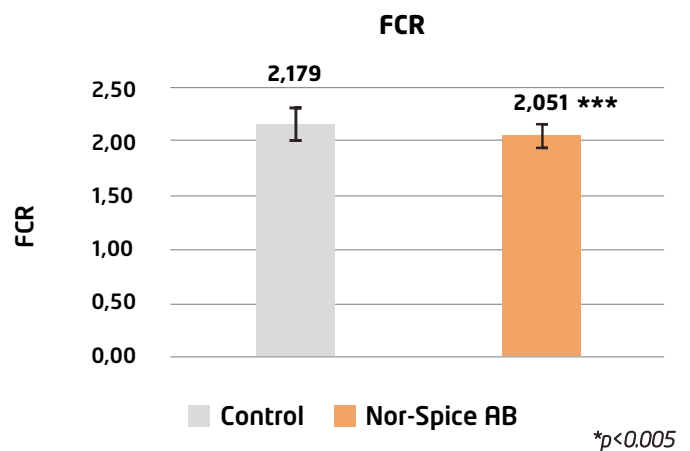


Figure 2: Feed Conversion Ratio of piglets day 28 to day 70

Conclusion:

The Average Daily Gain has significantly improved by 11.5g/d for the piglets supplemented with Nor-Spice AB (Figure 1). The Feed Conversion Ratio is as well significantly decreased by 0.128 points compared to the control group (Figure 2). Therefore, we can conclude that supplementing pigs with Nor-Spice AB has provided a better feed valorisation resulting in a reduced FCR and an enhanced ADG. For the same amount of feed, animals have grown faster and needed less quality feed to reach their final weight. The feed cost is consequently reduced.

Do not hesitate to contact us for more information.



On February 8th our team used a new interactive tool to present the first Petfood round table of the year. Selected partners were connected to discuss about the Nor-Feed petfood offer in a very interactive way. If you want to know more about our range of products for pets, send a message to:

contact@norfeed.net



We have a new video featuring Norponin® Opti, its mode of action and advantages. You can watch it on [YouTube](#), [LinkedIn](#) or [Facebook](#). If you want to have the video with subtitles in your language or to get in contact with our team, please send an e-mail to:

contact@norfeed.net