

## Editorial

### From Bangkok... to Tours !



📍 **VIV Asia**, 13-15 March, Bangkok (Thailand)

With the support of **Nor-Feed Vietnam**, our booth was constantly full during this major Asian trade fair. A lot of visitors came to see us to share their vision of a natural and sustainable animal nutrition based on plant extracts.

📍 **JRA**, 20-21 March, Tours (France): Nor-Feed presented two posters during the 13<sup>th</sup> Days of Poultry and Palmipeds for Foie Gras Production Research: *Évaluation de la réponse de trois espèces d'insectes nuisibles à un produit répulsif à base de plantes* ; *Amélioration du succès de vaccination chez le poulet de chair : effet d'une supplémentation en extrait sec de raisin en condition d'inconfort thermique*.

## Focus on...

### Poultry: health comes from the intestine

The **6<sup>th</sup> Conference on Poultry Intestinal Health**, organized in Rome from 3 to 5 April, by the Intestinal Health Scientific Interest Group (IHSIG) saw the participation of 700 people and the presentation of 128 scientific abstracts. In terms of content, the Conference highlighted - as in previous editions - the concept of «One Health», an approach that aims to fight against zoonoses and antibiotic resistance. «One Health» promotes a synergy of actions between different actors of human and animal health, but also in plants and environment. Poultry production does not escape this movement.

#### **Intestinal integrity: a major challenge in animal health**

The poultry intestinal health, its associated diseases (salmonellosis, campylobacter diarrhea, histomoniasis, necrotic enteritis, coccidiosis) and more generally the immune status of poultry have been the subject of numerous studies presented at this congress. These pathologies have a significant impact on both animal welfare and zootechnical performances. The management of these pathologies and the improvement of the health status and the performance of the poultry comes through the fine knowledge of the interactions between the intestinal microbiota and the host cells.



#### **Advanced Research**

This congress confirms the progress of research in the field of intestinal health, with intestinal villous cuttings, DNA sequencing and metabolites knowledge, which make it possible to assess the good intestinal integrity of poultry, amongst others advances.

Researchers have also identified markers - such as the « ovotransferrin » protein - capable of providing a precise insight of the microbiota condition.

The identification of these markers would allow early detection of pathologies and permit to act accordingly.

#### **Coccidiosis at the centre of debates**

The economic and animal welfare impact of this major pathology, as well as that of turkey histomoniasis, is clearly established.

The phenomenon of resistance to synthetic anticoccidials and the demand expressed by consumers increase the pressure on these molecules and open the door to documented alternatives, including plant extracts. These were also the subject of numerous abstracts and presentations at the congress.

# Field evidence

## Norponin® XO<sub>2</sub>: comparative trial between a natural program and ionophores/chemical treatments, in broilers

### Material and methods

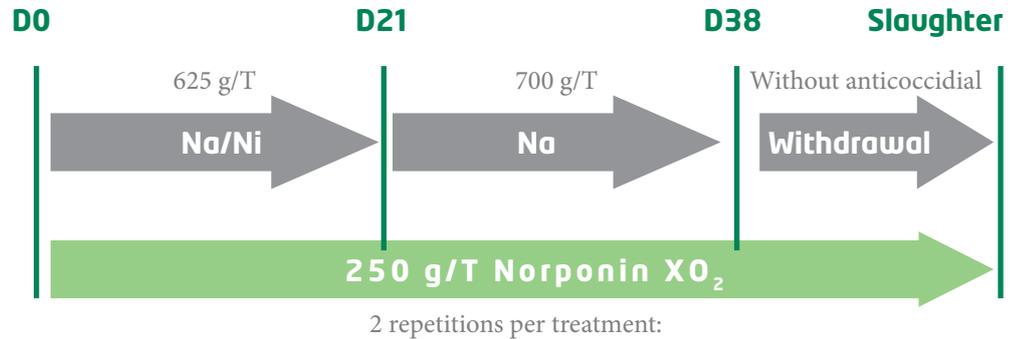
Trial carried out in Turkey on broilers (Cobb) from Day 0 to slaughter. 220 000 birds divided in two groups:

#### ✓ Positive control

Narasin/nicarbazin (Na/Ni)  
Narasin only (Na)

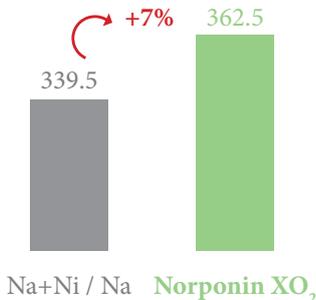
#### ✓ Norponin XO<sub>2</sub>

Full program

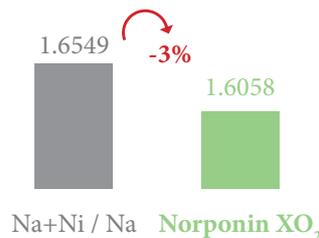


### Results:

**A better EPEF**  
(European Production Efficiency Factor)



**A better Conversion Ratio**



**A better R.O.I**



### Conclusion:

In this trial, Norponin® XO<sub>2</sub> provides better results than a combination Na/Ni + Na only.

Encouraged by this better zootechnical results, Norponin® XO<sub>2</sub> positions itself as an efficient alternative to a *shuttle program* based on synthetic coccidiostats.

## Nor-Spice AB® Seminar in Vietnam



The seminar «*Build your wings to make the shift in profits*», specially dedicated to our citrus extract, gathered 60 participants in the New World Saigon Hotel. The several experts\* highlighted the new perspectives allowed by plant extracts in the demedication programs in animal production. The positive orientation of the microbiota via **Nor-Spice AB** was particularly highlighted for its contribution to improved zootechnical performance and the development of sustainable livestock farming.



\*Yann Morel (Chief Executive, Cooperl Asia), Hoai Nguyen (Deputy Director of Dong Nai Department of Agriculture), Éric BELZ (CEO, Carephyt) and Cédric Vandebossche (Product Manager, Nor-Feed)

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