NewsLetter
Plants & plant extracts in animal nutrition

NOR-FEED
Botanicals • You know why

Number 97 - January 2021

# Editorial

## 2021: the Norponin® XO year

Happy New Year and thank you to the many attendees at our latest webinar on effective solutions for coccidiosis management now available to breeders. The lesion scores and zootechnical data we shared show that our Norponin® XO is as effective as chemical or fermentation coccidiostats under field conditions.

# Focus on...

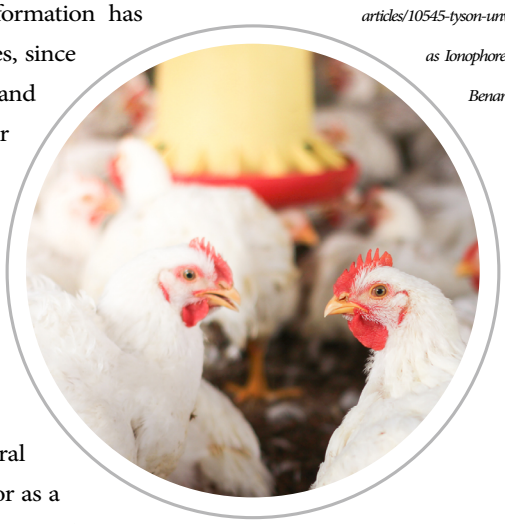
## The coccidiosis management, a market in development

The market for coccidiosis solutions is dynamic and follows a global trend: the reduction of antibiotics used as growth factors. In recent decades, the performance of poultry has improved enormously, thanks to major advances in genetics, feed and breeding parameters.

This considerable productivity gain has unfortunately not solved the issue of coccidiosis, a frequent disease with an estimated annual cost of 3 billion dollars globally.

Still widely used to manage coccidiosis, synthetic coccidiostats and ionophores remain reference solutions. Although their use is declining, they still account for 75% of the solutions used against coccidiosis worldwide. This reduction trend is uneven from country to country but strong worldwide. Every year, new bans are observed, whether in the specifications of an integration or at governmental level.

Dictated by societal pressure, this transformation has already largely taken place in the United States, since today the largest integrations such as Tyson and Perdue claim "100% of antibiotic-free broiler chickens". Europe and Asia are experiencing a similar evolution, as we can also observe the rapid development of vaccination, first on breeders, then on slow-growing strains. Once practiced in breeding, it becomes available from the hatchery with attenuated oocyst strains.



A similar trend takes place for natural alternatives, used as substitutes in programs, or as a stand alone in a rotation. These botanical extracts make it possible to maintain a choice of technical solutions, also contributing to reduce the risk of resistance. They still contribute to maintain the effectiveness of ionophores when they represent an economical and efficient solution.

These replacement or diversification strategies are considered in conventional as well as in Label systems, as long as they are based on the right choice of vaccines and/or natural alternatives.

There is indeed a great variability within vaccines but also among alternative products. It is therefore essential that producers ask for all guarantees from suppliers to ensure that such a transition is conducted safely. This requires standardized products whose efficacy has been proven over time and on a large scale.

This major zootechnical development for the poultry industry is a response to demand. These new alternatives also offer technical and/or economic advantages.

**Sources:** *The World Poultry site: "More than half of US broilers raised without antibiotics in 2018": disponible (https://www.thepoultrysite.com/news/2019/05/more-than-half-of-us-broilers-raised-without-antibiotics-in-2018 ); Food Business News: "Tyson unveils plans for $320 million poultry complex" disponible (https://www.foodbusinessnews.net/articles/10545-tyson-unveils-plans-for-320-million-poultry-complex); Webinaire Nor-Feed "As efficient as Ionophores, because efficacy is essential when managing coccidiosis" avec Dr. Amine Benarbia et Cédric Vandenbossche (lien disponible sur demande).*

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# Field Evidence

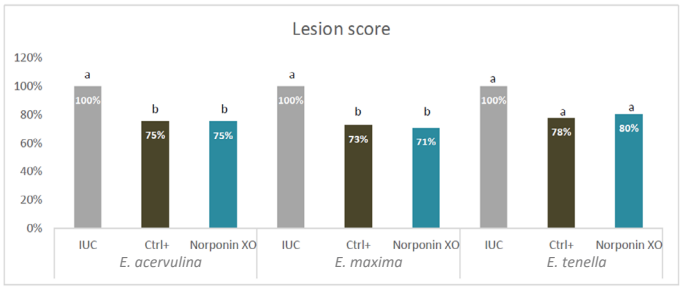
## Norponin® XO: "as effective as" the supplementation with synthetic ionophores and coccidiostats.

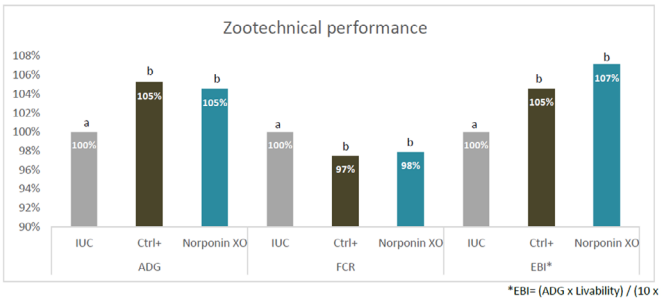
### Materials and method:

Several experimental infestation trials have been carried out: 2 in Europe (Belgium, Spain), 2 in America (USA, Peru) and one in Asia (Vietnam). The details of the trials are summarized in the following table:

| | Spain | Belgium | Peru | USA | Vietnam |
|---|---|---|---|---|---|
| **Chicken strain** | Ross 308 | Ross 308 | Cobb 500 | Cobb 500 | Ross 308 |
| **Number of birds** | 288 | 192 | 75 | 400 | 270 |
| **Replica** | 18 | 6 | 5 | 10 | 9 |
| **Cages / ground pens** | Cages (21d) | Cages (21d) | Ground pens (42d) | Cages (21d) | Ground pens (42d) |
| **Day of infestation** | J 14 | J 14 | J 14* | J 14* | J 14* |
| **Positive control** | Monensine | Monensine | Clopidol/Salinomycine | Monensine | Salinomycine |

### Results:




### Conclusion:

In these zootechnical trials, supplementation with Norponin® XO is as effective as supplementation with ionophores under controlled experimental infestation conditions. This is supported by numerous test results carried out according to local conditions in each country. The latest results obtained concern France, Turkey and South Africa.

Do not hesitate to contact us for more information.

On January 28th and 29th our team will present the first webinar of the year on lactation, a critical phase in the dairy cow. If you wish to register for this edition (with two slots available, the first in English and the second in French), please send an email to:

**contact@norfeed.net**