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NEWSLETTER

NATURE FOR HEALTH

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NEW BLOGPOST

Exciting news! On our new website, we are introducing a monthly blog series written by expert Jan Dirk van der Klis. Each month, we share valuable insights and expertise on animal health and nutrition.

Our latest blog is about Elan®Control, an innovative feed additive for effective pathogen control in sows and pigs. It improves growth efficiency and results in significantly higher final weight thanks to a carefully selected combination of glycerides that control intestinal pathogens. You can read the blog by clicking **here.**

We encourage you to share your questions, comments and suggestions with us. If anything in the blog piques your interest or if you need more information, don't hesitate to contact us. We are always ready to engage with you.

UPDATE ON OUR NEW PLANT

Our new state-of-the-art plant is under construction, as you may have seen on our LinkedIn page. This facility represents a significant milestone in our commitment to sustainable livestock farming. With advanced technology and capabilities, we will produce tailored feed additives that promote healthier livestock while prioritizing sustainability. At Olus, we continuously strive to push boundaries and deliver innovative solutions. Stay tuned for further updates on the progress of our new plant!

ELAN®C12 LIQUID

We're excited to unveil Elan®C12 Liquid (10% monolaurin), a cutting-edge solution for poultry and swine management. This liquid formulation complements our existing dry product, offering precise dosing and improved feed mixing. With enhanced bioavailability, Elan®C12 Liquid maximizes absorption and utilization, promoting superior efficacy and faster results.

By incorporating this innovative solution, you can enhance animal health, reduce antibiotic reliance, and strengthen pathogen defense. Experience the benefits of Elan®C12 Liquid to optimize livestock performance and improve overall well-being. Contact our team for more information on this liquid solution.

EFFECT OF ELAN®COX LIQUID ON BROILER PERFORMANCE

Introduction

Sub-clinical coccidiosis is a recurring problem in the broiler industry, which has a big economic impact. Based on 58 Norwegian farms, it was quantified that >50.000 OPG in litter/feces resulted in a 10% lower European Production Index: EPI (Haug et al., 2008). Phytogenics have proven their efficacy to support gut health and performance in combination with coccidiosis vaccines or anticoccidial programs. These plant-based products can be supplied via feed or via drinking water. In this study the effect of ELAN®Cox L was tested when supplied via drinking water between 19 and 23 days of age. ELAN®Cox L has a high content of essential oils from cinnamaldehyde, oregano oil, garlic oil, lemon oil and anethol as main ingredients. Effects were tested in the Olus Plus research farm under practical circumstances.

Materials and methods

- 400 male Ross 308 broilers (starter weight 41 g) were distributed over 16 floor pens (25 birds/pen) placed in the middle of a commercial broiler house to simulate health and climate challenges similar to commercial practice. Peat was used as bedding material.
- A 3-phase corn/wheat/soya diet was used: Starter, 0-14 days; Grower, 15-28 days and Finisher, 29-35 days of age with salinomycin as anticoccidial in the starter and grower diet. All birds received the same diet.
- Treatments: The control group received normal drinking water, whereas the treatment group received drinking water supplied with ELAN® Cox L (500 mL/1'000 L) from 19 to 23 days of age. For the rest of the production period normal drinking water was given.
- Measurements: Production performance parameters (body weight gain, feed intake, feed conversion ratio and mortality) were measured per phase.
  Feed and water were ad libitum available.

	Control	Elan®Cox L	Change	Sign.
Final body weight, g	2611	2697	+3.2%	0.015
Feed intake, g	3744	3860	+3.0%	0.012
FCRc*	1,444	1,424	-1.4%	0.048

**FCRc: FCR corrected for the average body weight (0.02/100 g BW)*

Results

Production performance during the 35-day production period is given in the Table above.

At 35 days of age, average body weight of the birds was 86 g higher (P= 0.015) compared to the control, which was due to a significantly higher feed intake. Corrected for average final body weight, the feed conversion ratio was improved by 2.0 points (P= 0.048). As indicated, the treatment was the supply of Elan®Cox L via drinking water (500 mL/1'000 L) from 19 to 23 days of age. The return on investment of this water treatment was calculated compared to the control, based on weight corrected FCR. ROI of the ELAN® Cox L was 3.5 , based on feed costs of 450 €/MT.

In a recent field trial in Brazil, it was shown that a four-day supplementation with Elan®Cox L (500 mL/1'000 L; during the first day, at half dose) improved production performance, reduced mortality (EPI was increased from 388 to 414). Moreover, an improved intestinal villus/crypt ratio was shown by necropsy, which indicated a better intestinal health after treatment, which was confirmed by lower percentage of birds with coccidial lesions.

Conclusions

The supply of drinking water with ELAN®Cox L (500 mL/1'000 L water) from 19 to 23 days of age, improved production performance of broilers during a 35-day production period. The return on investment was calculated as 3.5.

Heat stress

Today, as warmer temperatures approach, broilers face the challenge of heat stress. By incorporating Elan®Cox into the birds' drinking water for four days, producers can combat the detrimental effects of high ambient temperatures. These extreme conditions not only hamper performance and decrease profits but can also lead to suffering and mortality in all poultry breeds. Phytogenic feed additives play a vital role in mitigating heat stress by providing anti-inflammatory and antioxidant effects, ensuring healthier and more resilient birds.