

PRODUCTION
EFFICIENCY

PHYTOGENIC
SOLUTIONS



Presan[®] Evolve

Stress-proof performance starts from within

Why Presan[®] Evolve?



Supports muscle metabolism and inflammation reduction



Drives high performance under commercial challenges



A unique, sustainable solution that contains PhytoComplex and target-release butyrates

Protect your profitability



The growth rate and the health status of birds have a strong influence on a farm's financial results. Gut health is of critical importance for broiler performance. The intestinal tract of birds is under high pressure to achieve optimal utilisation of nutrients from diets. Target-release butyrates maintain gut health integrity and promote the release of digestive enzymes, improving nutrient absorption, villus architecture, and overall gut function. PhytoComplexes may support bird metabolism through multiple targeted host-mediated pathways:

1. In high-performing birds, non-specific chronic intestinal inflammation can negatively affect growth performance. The metabolites in PhytoComplexes may help reduce non-specific chronic intestinal inflammation.
2. Glucose is a primary energy source for muscle tissue. The metabolites in PhytoComplexes may support glucose by cells to promote muscle metabolism, resulting in better feed efficiency and higher body weight.

Stress-proof performance starts from within

- Presan® Evolve is a unique blend of PhytoComplex with target-release butyrates for synergistic effects:
 - supporting muscle metabolism to help increase body weight and feed efficiency
 - helping to reduce non-specific chronic inflammation
 - maintaining gut health integrity
- Consistent performance under commercial challenges and stress conditions at 0.5 kg/t
- Developed at and backed by Nutreco's Garden of the Future
- Contributes to more sustainable poultry production
- Proprietary composition, exclusive to Trouw Nutrition

Proven results

Studies conducted around the world have shown Presan® Evolve to be effective. Trouw Nutrition Research & Development supports all studies conducted.

Recommended use

Presan® Evolve can be incorporated into the feeding programme via premixes or final feed.

Recommended dosage

Broilers:

- 0.5 kg/t of complete feed

Proven results of Presan® Evolve

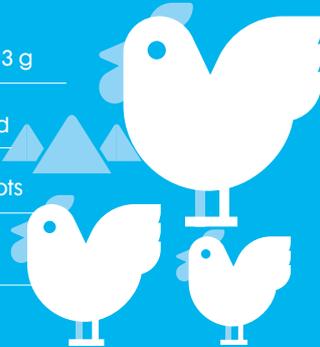
BROILERS

BODY WEIGHT +3.3 %, +93 g

ROI 1:3.15, 0.058 euro /bird

MORTALITY -18.6%, -0.65 pts

WMA-FCR -3.1%, -4.7 pts



WMA-FCR: Weight-mortality adjusted-feed conversion ratio

ROI: Return on investment



8 TRIALS

- 1 Field study
- 7 R&D studies

4 COUNTRIES

- USA
- Belgium
- UK
- Poland

Presan® Evolve inclusion rate: 0.5 kg per tonne of feed

NUMBER OF BIRDS

564,372
Broilers



INSIGHTS

PhytoComplexes are constellations of plant metabolites shown to deliver physiological benefits including enhanced animal resilience and improved performance. Leveraging the synergies that occur between different plant metabolites, PhytoComplexes make use of the entire plant to exert more powerful effects than can be achieved with a single plant compound.

PhytoComplex research conducted at Nutreco's Garden of the Future is bringing more precision to livestock and aquaculture nutrition while enhancing the efficiency of formulated diets.

Learn more visit [Selko.com](https://www.selko.com)

Summary

Product name: Presan® Evolve

Use for: Broilers

Benefit: Supports broiler performance

Programme: Production efficiency

 **Ask your Trouw Nutrition representative how Presan® Evolve can support poultry production.**

Disclaimer: The information in this document is believed to be correct as of the date issued. Given the variety of factors that can affect the use of a Selko product, the user is responsible for determining whether the Selko product and dosage is fit for a particular purpose and suitable for user's method of use. Selko B.V. or any of its affiliates makes no warranties, including but not limited to warranty of merchantability or fitness for a particular purpose. Product labelling and associated claims may differ based on government requirements. All quotations, orders, confirmations and transactions are subject to our General Conditions of Sale (www.nutreco.com). The applicability of any other terms and conditions is explicitly rejected. Trials are supported by Trouw Nutrition R&D. © Trouw Nutrition. The trademarks shown in this document are registered in The Netherlands, The USA and other countries. These trademarks are owned by Selko B.V. or Micronutrients USA LLC or Trouw International B.V. IntelliBond products are registered as Selko IntelliBond in The Netherlands, and other countries.