



Enhancing performance in broilers

Product benefits

- ROI of minimum 3:1
- improves nutrient digestibility and retention independent of age
- improves feed conversion ratio by minimum 2 %
- enhances body weight by minimum 1 %
- significant reduction of ammonia and green house gas emissions
- improves bone strength
- supports intestinal health

Dosage recommendation

min. 150 g/MT of compound feed
(or 0.3 lb/t) during the entire
production period



Effects of **BIOSTRONG® 510** on broiler performance

Trial design:

36 trials with 350,000 broilers
trial duration: avg. 38 days
diets: 21 wheat-based, 15 corn-based

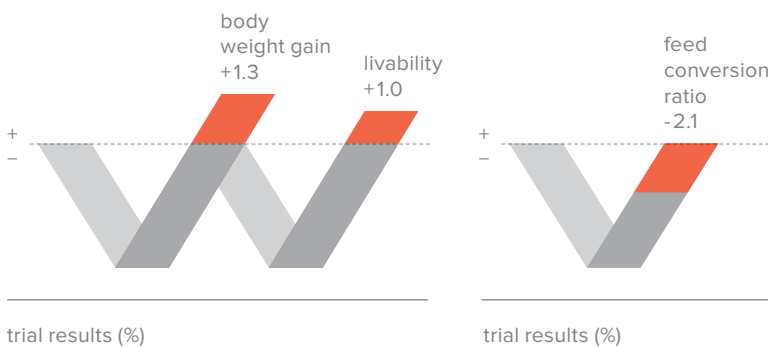
Breeds:

22 trials: Ross 308
11 trials: Cobb 500
3 trials: Arbor Acres

100 % represents

FCR: 1.725; BWG: 2015 g,

Livability: 95.6 %



Phytogetic substances

Essential oils

Several micro-encapsulated essential oils enhance the secretion of digestive juices and provide antioxidant properties.

Bitter substances

Enhance nutrient retention and increase bile acid secretion.

Saponins

Inhibit urease activity and reduce ammonia production.

Pungent substances

Activate metabolic processes and blood circulation, support detoxification, and enhance the secretion of digestive juices.

Synergistic effects on performance



Modes of action

- improved enzyme and bile acid production stimulates nutrient digestibility in all production phases
- antioxidant effects support stress tolerance and stimulate intestinal integrity. Moreover, quorum sensing inhibition reduces the bacterial pathogenicity by reducing synthesis of bacterial toxins
- anti-inflammatory effects reduce bone mobilization
- the reduction of urease activity limits ammonia production and has beneficial effects on foot pad quality