



# 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  
duration: Ø 38 days  
diets: 21 wheat-based, 15 corn-based

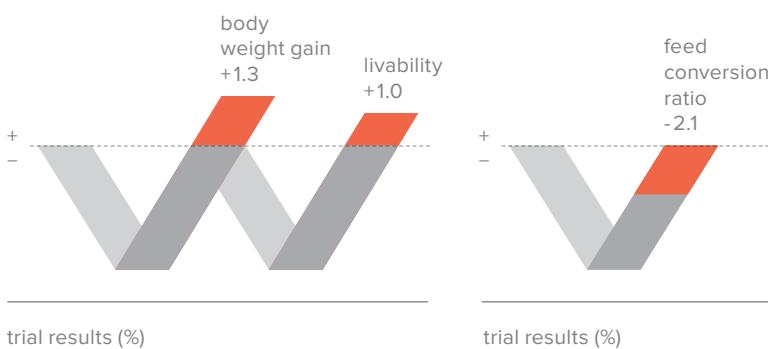
### Breeds:

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