



The phytogenic solution for profitable poultry production with sustainable reduction of environmental emissions

BIOSTRONG® 510 On Top:

- Higher daily weight gain
due to increased feed intake
- Reduction potential in mineral nutrients
due to optimized utilization
- Improved barn climate and reduced odor of ammonia
due to inhibition of the urease enzyme

BIOSTRONG® 510 PERFORMIZER®

- Least cost formulation – feed cost saving
due to optimized nutrient utilization
- Improved barn climate and reduced odor of ammonia
due to inhibition of the urease enzyme

BIOSTRONG® 510 PERFORMIZER®¹⁾

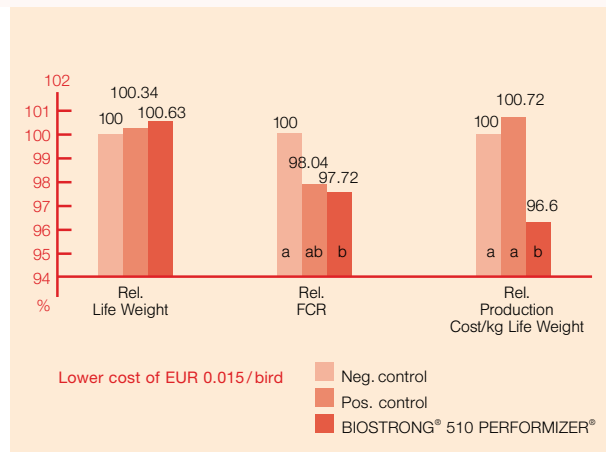
Optimizing animal or economic performance

BIOSTRONG® 510 improves significantly the digestibility of nutrients, proven by scientific digestibility and balance trials. Broiler and layer studies with wheat-based and corn-soy diets have shown better digestibility of protein, energy, calcium and phosphorous. Theoretical nutrient values (matrix values) summarize the potential of reductions per ton of feed.

Matrix value for feed component database

BIOSTRONG®, Apparent nutritive value		
	1 kg BIOSTRONG 510 is equivalent to	For a dosage of 150 ppm BIOSTRONG is equivalent to
Protein	3,500 %	5,250.0 g
AMEn	900 %	135.0 MJ
Arginine	230 %	345.0 g
Isoleucine	130 %	195.0 g
Lysine	200 %	300.0 g
Methionine	75 %	112.5 g
Methionine + Cysteine	140 %	210.0 g
Threonine	130 %	195.0 g
Tryptophan	35 %	52.5 g
Ca	480 %	720.0 g
P-available	450 %	675.0 g

Significant reduction of production cost with BIOSTRONG® 510 PERFORMIZER®. Experimental farm, integrator Brazil, May 2008



^{a,b} Means with different superscripts differ significantly $p < 0.01$ (Tukey test)

Production cost = feed + medication + vaccination + day old chick

4 treatments, 16 repetitions per treatment, 3,200 birds in total, Cobb 500 male

Negative Control: Standard broiler feed without AGP

Positive Control: Standard broiler feed with AGP (Avilamycine + Colistine in all diets)

BIOSTRONG® 510 PERFORMIZER®: Diets were formulated considering all matrix values for BIOSTRONG®, no AGPs

BIOSTRONG® 510 technical information:

Dosage: 150 g/t ready mixed feed for broiler, layer and turkey for the whole production period

Form of supply: 25 kg PE/aluminium polycoated paper bags

Shelf life: 18 months in original closed bags under cool and dry storage conditions

BIOSTRONG® 510 is a combination of high-grade essential oils, bitter substances, pungent substances and saponins. BIOSTRONG® is designed for on top application or least cost formulation in poultry diets.

¹⁾ Performizer = Performance optimizer, a registered trademark of Delacon Phytogenic Feed Additives

DELAACON International

DELAACON Biotechnik Ges.m.b.H.
Weissenwolfstr. 14, A-4221 Steyregg, Austria
Tel +43-732-640 531-0
Fax +43-732-640 533
office@delacon.com, www.delacon.com