



The potential of Breeze to reduce heat stress related performance drops in broilers.

The objective of this trial was to quantify the heat stress reducing potential of Breeze on performance parameters (body weight at the end of fattening, feed consumption, daily body weight gain, feed conversion).

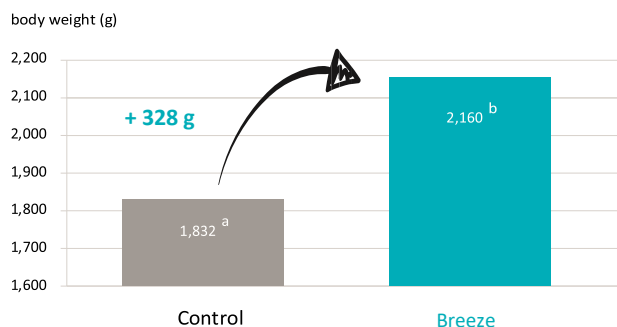
Breeze is a liquid complimentary feed formulation of natural and nature-identical oils which are well known expectorants and decongestants which help to reduce symptoms of a respiratory nature. Liquid Breeze assists in opening up the airways when respiratory tract infections are present, during periods of heat stress and to alleviate post respiratory vaccination reactions.

Material and methods

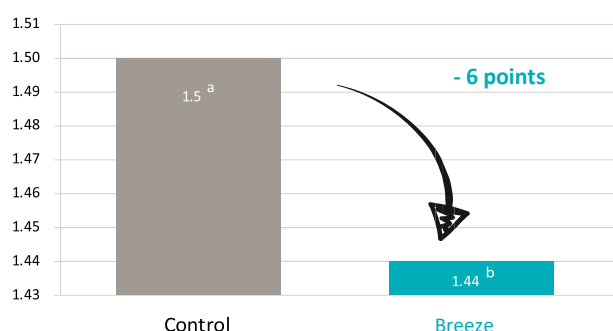
Trial:	120 birds (12 replicates x 10 birds)
Control:	130 birds (13 replicates x 10 birds)
Trial group:	250 ml Breeze / 1,000 L of drinking water day 13 – 18 and day 26 – 31
Control group:	No supplementation
Diet:	3 feeding phases according to Aviagen recommendation
Study design:	Heat stress induction (35 °C) between day 13 – 18 and day 26 – 31 in both groups
Data analysis:	statistical analysis of data set by institution

Results

Average body weight at the end of fattening



FCR (kg : kg)



Performance parameters	Control	Breeze
Average body weight	1,832 g ^a	2,160 g ^b
Average feed consumption	76.8 g ^a	87.3 g ^b
Average body weight gain	51.2 g ^a	60.6 g ^b
FCR (kg : kg)	1.5 ^a	1.44 ^b
EPEF* (European Production Efficacy Factor)	326 ^a	387 ^b

^{a,b} different letters show a statistically significant difference, p < 0.05

Conclusions

Breeze improves all performance parameters significantly under heat stress conditions. Birds were stimulated to drink and feed, thus improving daily feed intake.

