Comparison of two sources of encapsulated sodium butyrate on broilers performance

Among the alternatives to antimicrobials as growth promoters, feed additives such as organic acid, a short chain fatty acid (C4), has different properties, such as: strong antimicrobial activity against Gram-negative bacteria, effect on the intestinal epithelium being the first source of energy for the enterocytes and also, inmunomodulatory effects. The presentation how this additive is supplemented in feed will condition its final effect. Butyric acid is generally available as salt (sodium or calcium) and as free salt or encapsulated by a vegetable fat matrix (coated) not only to facilitate the application in feed but also their efficacy

OBJECTIVE:

The study was conducted to elucidate the effect of feed supplementation with two sources of encapsulated sodium butyrate (ESB, ~30% sodium butyrate encapsulated with vegetable fat) respect to a control diet, on broilers performance

ANIMALS AND HOUSING



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INTRODUCTION





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| | SEM | P- VALUE |
|--------------------------|------|-------------|
| | 49.9 | 0.698 |
| | 8.6 | 0.743 |
| | 0.6 | 0.881 |
| | 6.7 | 0.515 |
| | 53.1 | 0.640 |
| ogy in jejunum | | |
| cal differences (P<0.05) | | |
| | | |