



Feeding a microencapsulated blend of organic acids and natural identical flavours improves growth performance in broilers in a necrotic enteritis model

E. Grilli, R. Gauthier, A. Piva

(2008) Proceedings from the 1st Mediterranean Summit of the WPSA. May, 7-10, Chalkidiki, Greece

Nine-hundred and sixty ROSS 308 broilers were allocated in 32 pens divided into 4 experimental groups (d0): the control diet (CTR), the control diet added with Zinc Bacitracin at 55 ppm (AB), and the control diet added with Galliacid@S, a microencapsulated blend of organic acids and natural identical flavours (EP 1,391,155 B1; Vetagro, Italy), at 300 and 600 ppm (GAL300, and GAL600, respectively). Birds were fed a wheat-based diet without coccidiostat and at d9 were inoculated with live vaccinal Eimeria oocysts; at d15 animals were infected with Clostridium perfringens for three days. Performance of animals was calculated during the intervals 0-8d, 8-15d, 15-22d, 22-28d, and 28-38d, and mortality was registered. Data were analysed with 1-way ANOVA and mortality with chi-square test. Compared to control, feed intake (FI), average daily gain (ADG), and body weight (BW) were improved in both Galliacid@S fed groups, especially at 8-15d (FI:+8.5% and +18.5% for GAL300 and GAL600, respectively, $p<0.001$; ADG: +8.7%, and +11% for GAL300 and GAL600, respectively, $p<0.001$; BW d15: +10%, and +13% for GAL300 and GAL600, respectively, $p<0.001$). Mortality was not different among treatments. Galliacid@S improved growth performance in a NE challenge model when compared to a negative control diet and to an antibiotic growth promoter.

HEADQUARTERS:

Vetagro S.p.A.
Via Porro 2 42124 Reggio Emilia - Italy
info@vetagro.com
infowesteu@vetagro.com
Tel: +39 0522 186 1500
Fax: +39 0522 92 7025
www.vetagro.com

OTHER LOCATIONS:

Vetagro Eastern Europe Kft.
Váci utca 81 1056 Budapest - Hungary
infoeasteu@vetagro.com
Tel: +39 0522 186 1500
Fax: +39 0522 92 7025

Vetagro Yem Ticaret A.Ş.
Levent Mahallesi, Cömert Sokak, No: 1
Yapı Kredi Plaza C blok Kat:17 No:40-41
Ofis:16 34330 Beşiktaş - Istanbul
info@vetagro.com
Tel: +90 212 318 9059
Fax: +90 212 317 4701

Vetagro Inc.
230 South Clark Street, # 320,
Chicago, IL 60604 - USA
infousa@vetagro.com
Tel: +1 773 610 2087
Fax: +1 773 442 0131