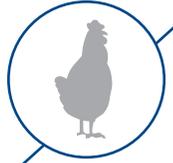


Research Notes P-80

Arm & Hammer Animal and Food Production



CELMANAX evaluated in combination with and as a replacement for antibiotic growth promoters.

CELMANAX™ is a multicomponent, all-natural feed supplement™ containing Refined Functional Carbohydrates™ (RFCs™) that has Generally Recognized as Safe (GRAS) status as a feed ingredient.

STUDY OVERVIEW

- The study¹ evaluated and compared CELMANAX SCP supplementation to antibiotic growth promoters (AGP) in commercial broiler operation.
- 288 male broiler chicks were randomly assigned to 24 floor litter pens with 12 chicks/pen, resulting in 8 replicate pens/treatment, and fed one of three diets:
 - AGP (BMD®, Bacitracin 55 mg/kg)
 - CELMANAX SCP (50 mg/kg) with AGP
 - CELMANAX SCP (50 mg/kg)
- All diets contained coccidiostats.
- Body weight (BW) and feed intake were determined at placement, 7, 21 and 36 days. Mortality and BW were noted daily to calculate feed conversion ratio (FCR).

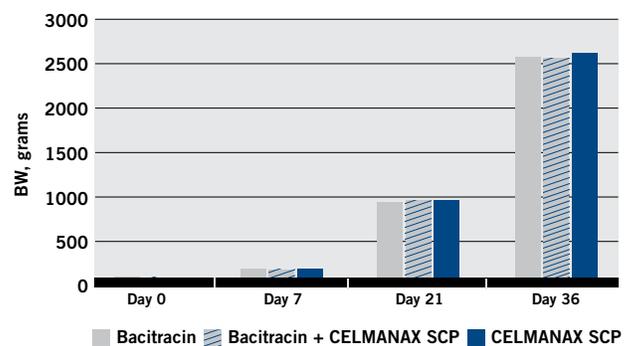
RESULTS

- There was no significant difference in BW, feed intake or FCR.
- Broilers supplemented with only CELMANAX SCP finished with higher body weight compared to the two other groups.
- No synergy was observed when AGP and CELMANAX SCP were used together.

CONCLUSION

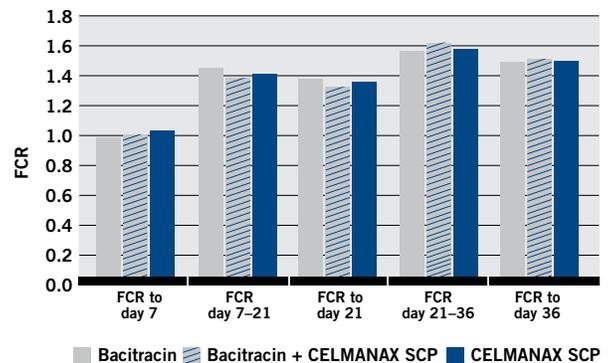
The results support the application of CELMANAX SCP as an alternative to AGP without affecting performance in commercial broiler operations.

FIGURE 1: Mean body weights by day of treatment.



No statistical difference was noted between treatments.

FIGURE 2: Feed conversion ratio (FCR) by period and to day of treatment.



To learn more about CELMANAX contact your nutritionist, veterinarian or ARM & HAMMER™ representative or visit AHfoodchain.com.

1 Julukar S, Oppy J, Robinson D, Ritchie S. CELMANAX SCP application in broiler diets: Synergism or alternative to antibiotic growth promoter effects. 2014; Abstract P-242. Presented at IPSF, Atlanta, Ga. Research originally conducted under the product brand name AVIATOR.

