

Promofeed EE improves the productive ratios in broilers

Design of the assay

A total of 800 Ross broilers were randomly distributed in 2 homogeneous groups, in number and sex of animals (8 trials of 50 birds).

During the assay both groups received the same feed, one being supplemented with avilamycin 10 ppm (group A) and the other with Promofeed 100 ppm (group B).

At 14, 28 and 45 days after the beginning of the treatment, mortality (%), lifeweight (LW), mean daily weight gain (DWG), feed conversion ratio (FCR) and cost of product were recorded.

Results

The parameters measured are summarized in the following table. Differences between groups were analysed using a one-way or two-way ANOVA (95% or 99% confidence intervals). The most significant results are emphasized.

Days of treatment	Group A = AVILAMYCIN			Group B = PROMOFEEED EE		
	14 days	28 days	45 days	14 days	28 days	45 days
% mortality	1,50	1,00	1,00	1,00	0,75	1,00
% accumulated mortality	1,50	2,50	3,50	1,00	1,75	2,75
Mean LW (Kg)	0,340 d	1,297	2,886	0,357 c	1,307	2,886
DWG per period	0,00	68,36	93,47	0,00	67,86	92,88
Final DWG	24,29 d	46,32	64,13	25,50 c	46,68	64,13
FCR per period	0,00	1,584	2,009	0,00	1,577	2,020
Final FCR	1,571 a	1,580	1,814	1,471 b	1,548	1,804

a, b Different superscripts indicates significant differences between groups ($p < 0.05$)

c, d Different superscripts indicates significant differences between groups ($p < 0.01$)

In the table we can see that there was less mortality in group B (Promofeed), as well as less mortality per period compared to group A, therefore less accumulated mortality. Lifeweight and final mean daily weight gain were improved by Promofeed in the first and second period, and alike in the third period. The cost of product (kg) resulted lower when the feed was supplemented with Promofeed so much that it improved the Cost per Kg lifeweight/feed.

On the other hand, the feed conversion rate was always better with Promofeed except for the last period.

Promofeed improved many parameters measured, most of them significantly. Therefore, this study has demonstrated that supplementation of broiler diets with Promofeed, may offer potential benefits to the poultry industry.