

STUDY ON EFFICACY OF IMMUNOBIOTIC IN BROILERS DIET

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Our aim was to investigate the substitutes of the antibiotic growth promoters (AGPs), therefore lysed probiotic bacteria and micronized polysaccharide (immunobiotics) were included in the compound feed of broiler chickens. COBB500 hybrids were divided in four groups ($n=\sum 480$); into experimental ($T_{\text{♀}}$, $T_{\text{♂}}$; 2 g/kg immunobiotics) and control ($K_{\text{♀}}$, $K_{\text{♂}}$; no additive). We examined live weight, weight gain, feed consumption and feed conversion. During the entire rearing period (42 days), the immunobiotic was added to the feed. Regarding the examined parameters, it can be stated that they were fluctuated throughout the rearing period. However, by the day 42nd, the following results were clear: In terms of live weight, the treated group achieved better results in both sexes ($T_{\text{♂}}$: 2515,6 g, $T_{\text{♀}}$: 2482 g, $K_{\text{♂}}$: 2482,4 g, $K_{\text{♀}}$: 2375,4 g). $T_{\text{♀}}$ achieved an average weight of 107 grams higher than $K_{\text{♀}}$. The same result was obtained for weight gain ($T_{\text{♂}}$: 2472 g, $T_{\text{♀}}$: 2439,9 g, $K_{\text{♂}}$: 2439,9, $K_{\text{♀}}$: 2332 g). $T_{\text{♂}}$ (4257,4 g) consumed an average of 70,9 grams less feed than $K_{\text{♂}}$ (4328,3 g), while $K_{\text{♀}}$ (4227,5 g) achieved better results with an average of 10 grams, than $T_{\text{♀}}$ (4237,7 g). In the case of feed conversion, the treated groups also performed better, with an average of -0.04 kg/kg for both sexes ($T_{\text{♂}}$: 1,72 kg/kg, $T_{\text{♀}}$: 1,74 kg/kg). In the current difficult economic situation, the results achieved with the addition of feed realize a profit of about HUF 252,000 in the case of 10,000 broiler chickens.