Comparative effects of using prebiotic, probiotic, synbiotic and acidifier on growth performance, intestinal microbiology and histomorphology of broiler chicks

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Abstract:

This study investigated the effects of dietary prebiotics, probiotic, synbiotic and organic acid salt supplementation on broiler growth performance, intestinal microflora, and histomorphology. A total of 300 one-day-old broiler chicks were randomly assigned to 5 different treatments with 3 replicates including 20 birds each. The birds received the same basal diet based on the corn-soybean meal, and additives included in the diet at 0 control, prebiotic (1 g/kg), probiotic (1 g/ kg), synbiotic (1 g/ kg), and acidifier (5 g/ kg). The body weight, weight gain, feed conversion, intestinal morphology and microbiology of birds showed significant (p

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