Cuminum cyminum

Tahiyel Itrasaf Nabat el-Komin

Ateyma Jawad

فزع الصحة العامة / كلية الطب البيطري / جامعة بغداد

Summary:

This study was conducted to determine the effect of the addition of different percent levels of cumin, added to a standard diet on the microbial balance by determine total bacterial count, coliform bactereria, lactobacilli bacteria and fungal content in different region crop, jujinum and cecum. One hundred fifty day old broiler (Arbor Acres) were divided into groups of 50 birds each and randomly assigned to the three treatments groups each treatment has two replicates. Experimental were as follow:

first treatment (control group) with no cumin, second treatment with 0.5% cumin and third treatment with 1% cumin to the standard diet for 6 weeks. The data showed that the two additives 0.5% and 1% cumin cause significant decrease (p<0.05) in total bacterial count, coliform bacteria and fungal count also cause significant increase (p<0.05) in lactobacilli count in intestinal content of broiler chicken this lead to used cumin as antimicrobial balance in intestinal tract of broiler chicken.