

CONSTRUINDO SABERES, FORMANDO PESSOAS E TRANSFORMANDO A PRODUÇÃO ANIMAL

## EFFECTS OF THE INCLUSION OF ALTERNATIVE INGREDIENTS IN THE DIET OF NATURALIZED HENS ON CARCASS CHARACTERISTICS

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The inclusion of alternative ingredients in the diet of chickens aims at reducing costs without compromising the production performance of birds, so it was evaluated the effect of the inclusion of alternative ingredients on the live weights, carcass and Different cuts of 93 chickens (males and females) belonging to the Center for the conservation of naturalized hens of the middle-north of Brazil, located in the exhibition Park of the "Hotel", Teresina-PI, the Centre of Agrarian Sciences of State University of Piauí. The design used was in randomized blocks, with two blocks (sex) and five treatments (diet with and without inclusion of 5% of the alternative ingredients mesocarp of babassu and dehydrated leaves of Sabia, Angico of Bezerro). The birds were housed in cages of a square metre base and 75 centimeters high, respecting the appropriate stocking rate for each phase. The composition of the ration consisted of 64.1% maize, 30.8% soy, 1.8% bone flour, 0.1% salt, 2.7% soy oil and 0.4% limestone in the rebuild phase and 65.5; 28.4; 1.6; 0.1; 3.9 and 0.5% of the respective ingredients in the termination phase. The ration and water were provided at will. Data of live weights were collected, after bleeding, plucked, from the head, eviscerated, from the carcass, from the thighs, thighs, tulips, chest and back. The data were submitted to the SAS GLM procedure (version 9.0) For comparison of individuals according to the effects of the levels of inclusion of ingredients and sex. In all the characteristics evaluated there was a significant difference between the different sexes. The diet without the inclusion of alternative ingredient presented the highest absolute values of the averages of the evaluated characteristics and showed significant difference in most of the compared with the other diets, except for the characteristics of weights of the Chest, the tulip, the back and the head, where they were similar. The diets with the inclusion of 5% of the mesocarp of babassu and of dehydrated leaves of Sabia and of the in-of-it did not show significant difference in the characteristics evaluated. The inclusion of 5% of dehydrated leaves of Angico caused significant reduction in the averages of the carcass characteristics evaluated. It is recommended to include a maximum of 5% mesocarp of babassu and dehydrated leaves of thrush and in the diet of naturalized hens for the reduction of the costs of feeding the poultry.

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