The effect of different levels of poultry by-product meal on broilers performance

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The aim of the this study was to investigate nutrient value and determine the appropriate level of poultry by-product meal (PBPM) in broilers diet. Poultry by-product meal contains crude protein (CP), calcium, phosphorus, ether extract and ash were 50.31%, 3%, 1.76%, 13.6%, and 11% respectively. The total of 225 days – old chick (ARIAN) were used in a completely randomized design with five treatments and three replicates for each. Treatments included levels of 0, 3, 6, 9 and 12% PBPM in broilers diet. Feed intake, weight gain, feed conversion and body weight were measured in different periods at 21, 42 and 49 days of age. Results showed that the addition of PBPM at level of 9 and 12% resulted a greater weight gain than that observed with 0% and other treatments. Poultry by-product meal at level of 12% resulted the best feed conversion ratio, and the highest belonged to control group. Carcass yield and abdominal fat were not affected by the treatment. The result suggested that poultry by-product meal has high nutritive value and the best level to use in broilers diet is 12 percent.

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