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

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The aim of 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.

**Keywords:** By -product, Performance, Carcass, Efficiency

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