THE EFFECT OF PROACTIVE ENZYME WITH FINISHER FEED ON PERFORMANCE AND MEAT QUALITY OF BROILER CHICKEN

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by

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ABSTRACT

An experiment was conducted to investigate the effects of dietary poultry by product meal (PBM) 5% with or without protease enzyme on growth ,carcass characteristics and meat quality parameters of Arbor acre plus broilers. One hundred and twenty birds (n=120) were fed experimental diet from 21 day to 35 days, 1 to 10 days and 11 to 21 days broiler pre starter, broiler starter were fed respectively .In there poultry by product meal (5%),exogenous protease (with and without) was undertaken using factorial arrangement under completely randomized design. The birds (n=120) were randomly divided into 12 replicates (10 birds/replicate) and 60 birds allocated for each treatment. PBM along with supplementation of 5% exogenous protease significantly improved growth performance of broilers .The body weight gain ,FI And FCR were increased [$p < 0.05$] from 21 to 35 days by the enzyme treated diet. No significant differences in lengths of small intestine , breast weight, thigh weights. No significant differences in pH , water Holding capacity, Cooking loss. In conclusion, protease enzyme added poultry by product meal enhanced the weight gain and performance of broiler birds .

Key words: Protease enzyme;carcass charateristics;PBM;broilers