

عنوان مقاله:

Effect of use cumulative levels of sesame (sesamum indicum-l) meal with phytase enzyme on performance of broiler chicks

محل انتشار:

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خلاصه مقاله:

For investigate the effect of feeding the levels of Sesame meal (SSM) for Soybean meal (SBM) with the phytase enzyme (Phy) on performance of broiler chickens, total 384 one days old broilerschickens (Ross 308) at completely randomized factorial design with 4 treatments of use sesame meal in 2 level of using phytase enzymewith 4 replicates were used. At the end of the trial 2 birds from each pen was slaughtered Carcass weight, dressing, abdominal fat, andintestine weight were also measured. To evaluate the digestibility of phosphorus (P.DI) 0.3 % Dichromium trioxide Marker Cr2o3 wasused. Data showed that use of SSM lead to increase broilers feed intake FI ($P<0.05$). Interaction effects between SSM×Phy causedhigher FI significantly ($P<0.05$). Use of sesame meal and addition enzyme had no significant effect on FCR significantly. Data from thisstudy showed that levels of Calcium and Phosphorus in blood andTibia ash were increased were SSM and Phy enzyme used ($P<0.05$). Antibody titer against New Castle Vaccine was not changed. Evaluation of Phosphorous digestibility showed that using SSM with Phy enzyme can increase PDI significantly ($p<0.05$). As result was relevant small intestine mucosa and sub mucosa diameters were significantly increased when we used T1, T2, T3 ($p<0.05$). Musclaris and serosa diameter were higher in T2, T3 than others. Data .(from this study showed use of SSM in broilers diets is likely to increase total diameter of small intestine parts ($p<0.05$

کلمات کلیدی:

Sesame meal , Phytase enzyme , Broilers , Blood parameters , Intestinal morphology

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