

## Effect of adding different levels of Oleobiotec to the diet on production performance of broiler

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**ABSTRACT:**

This study was conducted in the poultry field, Department of Animal Production, College of Agriculture, Al-Qasim Green University for the period from 12 February to 18 March 2016 to evaluate the production performance of broiler fed to diets containing various levels of Oleobiotec<sup>®</sup>. In this study, 192 chicks (Ross 308) one day old were randomly distributed to four treatments, each including three replicates of 16 birds, which were: control group T<sub>1</sub> (without addition) and the treatments T<sub>2</sub>, T<sub>3</sub> and T<sub>4</sub> which received Oleobiotec<sup>®</sup> at concentrations 100, 150 and 200 mg/kg feed respectively. The results of this study indicated that the addition of Oleobiotec<sup>®</sup> to the broiler diet, particularly T<sub>3</sub> and T<sub>4</sub> enhanced the production performance of broiler especially in body weight and weight gain. Also, the results showed a significant improvement in the feed conversion ratio for T<sub>3</sub> (150 mg Oleobiotec<sup>®</sup> / kg feed). Also, the results revealed no significant effect in feed consumption rate in all treatments and for all periods except two weeks. It was concluded from the results of this experiment that's adding different levels of Oleobiotec<sup>®</sup> to the broiler diets enhanced the productive traits of birds especially for the treatment T<sub>3</sub>.

**Keywords:**

Oleobiotec<sup>®</sup>, Broiler (Ross 308), Productive performance.