

## Effect of the addition of green tea to the Iraqi sheep rations and their production performance

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**ABSTRACT:**

This study was undertaken at the college of Agriculture, University of Baghdad, Department of Animal Production, Animal field, for the period from 29.10.2017 to 08.01.2018 to study the effect of adding green tea (*Camellia sinensis*) to the diet at 30 and 50 g in 15 sheep (each group having 5 animals). The results obtained showed a significant effect on the level ( $P < 0.05$ ) of daily and total increase in body weight and the efficiency of food conversion. But there were no significant difference in the amount of feed consumed and the addition of tea did not affect on the rumen fermentation pH and the nitrogen, ammonia units ( $\text{NH}_3\text{-N}$ ) concentration. The study summarized that it is possible to have the addition of green tea to the diet that improves the weight without affecting the characteristics of the rumen fermentation pH and  $\text{NH}_3\text{-N}$  concentration.

**Keywords:**

Green tea, Fermentation, Body weight.