

Body weight response, milk production and lipid peroxidation of rabbit does to multi-nutrient block supplementation during summer conditions.

ABSTRACT

Forty-eight New Zealand White rabbit does about 6-7 months old ($3068.33 \pm 29.56\text{g}$) were randomly allotted into two groups (24 rabbits in each treatment group). The first group was consumed a concentrated diet and the second group consumed a concentrated diet supplied with multi-nutrient block (MNB). The experimental duration continued for sixteen weeks. Live body weights of does after parturition days and during lactation periods were improved in rabbits fed on a concentrated diet with MNB as compared to those fed on concentrated diet only. During the lactation period weekly and total milk yield was higher in the group fed on a concentrated diet plus MNB. On the other hand, lipid peroxidation whence of thiobarbituric acid-reactive substances was significantly decreased in MNB supplemented groups compared to the concentrated diet. It concluded that MNB in rabbit cages with feed concentration improved body weight, milk production and lipid peroxidation during pregnancy and lactation period of rabbit does. Also, the best results were obtained from supplementing MNB on the first day from the mating.

Keywords: Multi-nutrient block, lipid peroxidation, milk yield, body weight, rabbit does.