Use of some nutritional supplements in drinking water of growing turkeys during 1st month of age and their effect on performance, meat quality, blood profile and antioxidant status


Abstract:

The management practices implemented by the poultry sector as using some nutritional additives in the early stage of a bird's life can potentially detect other challenges to production development in the poultry farms. Many potential supplements can be included in the early feeding as which are added to drinking water. In this study, 180 1-day-old chicks were randomly distributed into six groups to investigate the use of some nutritional supplements in drinking water of growing turkeys during 1st month of age and their effect on growth performance, carcass traits, meat quality, leg problems, blood profile and oxidative status. Birds that were supplied with tap water were considered the control group (C), whereas the birds that received the 1st, 2nd, 3rd, 4th and 5th treatments (T1, T2, T3, T4 and T5, respectively) were supplied with drinking water containing 10% sugar syrup, molasses, lemon juice, skim milk and fresh egg albumin respectively. The different water additives significantly (p

Keywords:

antioxidant indices, early feeding, economics, immunity, performance, turkey

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