

Veterinary World, Vol.1(4): 110-112

Hematological alterations in broiler chicks during different seasons Supplemented with herbal formulations

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Abstract

The study was conducted on Vencobb broiler chicks to ascertain the antistress affects of Zist, Zeetress and a combination of Amla and Turmeric during summer, rainy and winter seasons and thereby the haematological changes of birds revealed that during all the three seasons a marked improvement in Haemoglobin was encountered in all the three groups where herbal preparations were supplemented. A marked increase in the lymphocyte count occurred during summer and winter seasons in all the experimental groups of bird as compared to the control group. The heterophil count was decreased with the supplementation of herbal formulations in the feed irrespective of the seasons encountered in the season. This decrease in heterophil count was highly significant in seasons like summer, winter and rainy. This observation proves the hepato-stimulatory, hepato protective and immuno modulating effects of herbal preparations.

Keywords: Broiler, Chick, Haematology, Supplementation, Herbal formulation.