

## Effect of dietary supplementation of polyherbal liver stimulant on growth performance and nutrient utilization in broiler chicken

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### Abstract

A study was undertaken to assess the efficacy of polyherbal growth promoter and liver tonic product *Superliv* concentrate premix simultaneously on performance of commercial broiler chicks. Sixty day old unsexed commercial broiler chicks were divided randomly into two identical groups of three replicates each. Control group I was given standard basal diet only and no treatment whereas group II was administered Superliv conc. @500g/tonne of feed along with basal diet from 0-6 weeks of experimental study. Mean weekly body weight gain, total feed consumption and feed efficiency was recorded throughout the study period. A four day long metabolic trial was conducted at the end of experiment to evaluate nutrient utilization parameters. It was observed that the mean total body weight gain and feed conversion ratio (FCR) were significantly ( $P=0.05$ ) different in treated group compared to control. Percent protein, energy and ether extract retention were significantly higher in group supplemented with herbal liver tonic product than control. It may be concluded that supplementation of Superliv concentrate premix @500g/tonne of feed is beneficial for commercial broiler rearing and optimum feed utilization.

**Key words:** Liver stimulants, Feed consumption, Broiler performance, Metabolism.