

LIVE PERFORMANCE OF BROILER AND DOMINANT D300 HYBREED CHICKS

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ABSTRACT

This study was conducted with 20 hens and two cocks of broiler (Bx), indigenous chicken (Dominant D300) and their hybrid (BxD300) from where 180 chicks, 60 each of Broiler pullet (Bxpx), Dominant D300 pullet (D300px) and their hybrid pullet (BxD300px) were raised for the study. The chicks were brooded in the conventional open floor system with each breed divided into four replications. Feed and water were given ad libitum for 4 weeks. Results obtained were subjected to ANOVA and means separation. Economics of production was also analysed. Results show significant ($P < 0.05$) differences in productive parameters (hen weight at point-of-lay, live weight of chicks at 4 weeks and mortality), except for total feed consumed which was not significantly ($P > 0.05$) different. There were significant ($P > 0.05$) differences in reproductive parameters (egg weight-at-lay, egg weight loss due to incubation, shell weight after hatch, and weight of day-old chicks) except for eggshell weight and hatchability. Results also indicate preference for BxD300 (hybrid) chicks over Bx (broiler) chicks and Dominant D300 in terms of financial returns at 4 weeks of age.

Key words: Broiler, Dominant D300, Hybrid pullet and performance

