



Productive performance of different broiler strains under the intensive management in Kishoreganj district of Bangladesh

Obaidul Islam¹; Shameema Khatun^{1*}; Mustasim Famous¹; Mohammad Misbah Uddin²; Sheikh Abul Kalam Azad¹; Md Nazim Uddin¹; Abul Khayer³

¹ Dept. of Livestock Production and Management, Faculty of Veterinary, Animal and Biomedical Sciences, Sylhet Agricultural University, Sylhet-3100, Bangladesh. ² Department of Epidemiology and Public Health / Faculty of Veterinary, Animal and Biomedical Sciences Sylhet Agricultural University, Sylhet-3100, Bangladesh.

³ Department of Agricultural Sciences/ University of Goettingen, Germany.

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*Corresponding author:

Shameema Khatun

Email address:

shameemableesaudvm@gmail.com

Abstract

Nine thousand commercial broiler chicks of three different strains (Cobb-500, Ross Broiler, Hubbard Classic) were investigated from Day-Old to 30 days of age to compare their performance characteristics with similar open housing, feeding and near about same environmental management condition in Kishoreganj district. The strains were

assigned to three groups with three different poultry feed formulated by different recognized feed company in Bangladesh. In the present study, the mortality (%) was found 4%, 4.7 % and 3.5% in Cobb-500, Ross broiler and Hubbard classic strains respectively. In this study it was recorded that the average feed consumption per bird was higher by Ross Broiler (2439.56 gm) than Hubbard classic (2171.38 gm) and Cobb-500 (2154.23 gm). In case of live weight, it was found that the average live weight per bird was higher by Cobb-500 (1554.66 gm) followed by Hubbard Classic (1511.66gm) and Ross Broiler (1491.67 gm). After final analysis it was found that average better FCR was provided by Cobb-500 (1.39) than Hubbard Classic (1.44) and Ross Broiler (1.64). For Provita feed, Nourish feed and New Hope feed the mortality was 4.7%, 3.53%, 4.03% ; feed intake was 2268.36gm, 2228.76gm, 2268.38gm; average body weight was 1518gm, 1529.66gm, 1510.33gm and FCR was 1.49, 1.46, 1.5 respectively. There was no significant ($p>0.05$) difference of performance with the provided feed. But the result indicated that there was a significant relationship of broiler strain with its performance.

In conclusion, Cobb-500 broiler strain is appeared to be the most economical to rear amongst the three broiler strains investigated here in response to their performance records.

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