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LIST OF ABBREVIATIONS

DVM	Doctor of Veterinary Medicine
CVASU	Chittagong Veterinary and Animal Sciences University
DLS	Department of Livestock Services
FAO	Food and Agriculture Organization
APHCA	Animal Production and Health Commission for Asia
Et al.	Et alli (And others)
ND	Newcastle Disease
IBD	Infectious Bursal Disease
AI	Avian Influenza
SEM	Standard Error of Mean
FE	Feed Efficiency

Study on Availability and Production of Guinea Fowl by Indigenous Farming at Cumilla District in Bangladesh

ABSTRACT

A survey was conducted in Cumilla district to assess the availability and production status of guinea fowl reared by indigenous farmers. A total of 30 guinea fowl farmers were purposively selected for the survey using a structured questionnaire. The results revealed that guinea fowl production enterprise is male dominated (96.67%). Majority farmers (47.67%) reared guinea fowl for commercial purpose, but none reared guinea fowl as their primary poultry. Birds are being reared in semi-intensive system and birds provided with housing to rest at night. Farmers responded that supplementary feed and water are provided to the birds on daily basis. Interviewed farmers had flock size of average 4.93 ± 0.80 birds. Farmers replied that birds are usually allowed to lay on the field and the eggs are collected on daily basis. Most farmers (73.33%) collected 21-30 eggs/bird/year. Brooder hens were used for incubation of eggs and the incubation period averaged as 28.4 ± 0.04 days. Majority (93.33%) of the farmers said they do not vaccinate their birds against any disease. The major problem confronting farmers in production and marketing of their products were loss of egg due to laying at outside of the house and limited market respectively. Birds were usually sold to consumers and other farmers in order to need of cash of farmer. The study had demonstrated that the farmers rear guinea fowl mainly for cash. The guinea fowl industry has a huge potential for growth despite the constraints. Interventions are required to reach the potential of this sector.

Keywords: Guinea fowl, Availability, Production system, Constraints, Prospects.

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The author,

September, 2018

PLAGIARISM CERTIFICATE

I, Md. Abu Shoieb Mohsin, would like to strongly assure that I have performed all the works furnished here in this report. The Information has been collected from books, national and international journals, websites and other references. All references have been acknowledged duly.

Therefore, I hold entire responsibility of collection, compilation, preservation and publication of all data accumulation here in this report.

The Author

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BIOGRAPHY

Md. Abu Shoieb Mohsin, son of Md. Abu Taher and Mahbuba Akter, was born on August 26, 1994. He passed Secondary School Certificate (SSC) examination from Lakṣam Pilot High School, Lakṣam, Cumilla in 2010 and then completed his Higher Secondary Certificate (HSC) examination in 2012 from Nawab Foyzunnesa Govt. College, Lakṣam, Cumilla. He is now enrolled in year-long internship program for completion of Doctors of Veterinary Medicine (DVM) Degree in Chittagong Veterinary and Animal Sciences University (CVASU), Bangladesh. He has immense interest to work on Epidemiology and Small Animal Medicine.