

Study on Management Practices of Liza Layer Farm, Chattogram.



A production report submitted by

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The author

CERTIFICATE OF AUTHENTICITY

I myself **Ummay Khaer Fatema Chy** strongly assures that I have performed all works furnished here in this report. Data have been collected from Liza Poultry Farm in Chandanaish upazilla under Chittagong district, national and international journals, websites and reference materials. All references have been acknowledged duly.

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

The Author

ABSTRACT

The study was conducted on Liza Commercial Layer Farm at Chandanaish Upazilla on a village side area to observe the production performance. 20,000 ISA Brown layer strain were studied on the farm. All of the birds were reared in both cage & floor management system. The average egg weight, hen day egg production, average feed consumption per day, feed conversion efficiency of the ISA Brown in the cage management system at Liza Layer Farm, Chandanaish, Chittagong were studied. The birds were reared both in battery cage and deep litter system. In deep litter rearing system rice husk and saw dust are used as litter materials. Feed was provided manually two times daily as mash feed from their feed mill having ME 2650 kcal and CP 16.5% per kg feed. The average feed consumption was 116.47 ± 7.47 g per bird per day. Both personnel and farm bio-security were properly maintained by using foot bath, sprayer, showering, fumigation and well drainage management system. No major disease outbreak was occurred in the farm during the reported period because of strictly maintaining the vaccination schedule for Infectious Bursal Disease (IBD), Newcastle Disease (ND), Fowl Pox, Infectious Coryza and Cholera vaccine. Study reveals the lack of appropriate scientific management and bio-security measures are practiced in the farm. The average hen day egg production was 94 %, average egg weight 58 ± 4 gm. The above findings of the present study were near about similar to the recommended production level of Hendrix Genetic Company, France, 2006, except hen day egg production. The hen day egg production was slightly lower than that of the recommended production level. It may be due to management and climatic effect on birds. Finally it is recommended that ISA Brown layer strain is adaptable and profitable under Bangladeshi condition.

Key words:

Production, performance, ISA brown, Liza Farm, housing, feeding, bio-security, litter management, disease control.