**A COMPARATIVE STUDY OF THE MANAGEMENT SYSTEM & PRODUCTION OF COBB 500 BROILER PARENT STOCK IN M. M. AGHA POULTRY FARM WITH THE RECOMMENDED MANAGEMENT SYSTEM OF COBB 500 BREEDER MANAGEMENT GUIDE**



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A Production report

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**ABSTRACT**

The study was conducted in a renowned poultry farm M.M.AGHA Poultry Farm Limited, Chittagong, from 1st January to 30th January, 2013. The objective of the study was to compare the care, management & production performance like the body weight gain, egg production percentage and hatchability percentage of egg of Cobb 500 broiler parent stock in the existing management system of M.M**.** AGHA Poultry farm with the recommended care, management, production performance according to the“ Cobb 500 Breeder Management Guide”. The result of the study reveals that the average observed weekly body weight gain and recommended body weight gain of Cobb 500 female at 21weeks, 28 weeks, 32 weeks, of age were 2515gm vs 2510gm, 3390gm vs 3385 gm , 3615gm vs 3615gm respectively . The average observed weekly body weight gain and recommended body weight gain of Cobb 500 male at 21weeks, 28 weeks, 32 weeks of age were 3280gm vs 3250gm , 3990gm vs 3960gm , 4250gm vs 4180gm respectively .The average observed weekly egg production percentage and recommended egg production percentage of Cobb 500 at 24weeks, 28 weeks, 32 weeks of age were 2%vs 5% ,70%vs78%, 83%vs83% respectively . The average observed weekly hatchability percentage of egg and recommended hatchability percentage of egg of Cobb 500 at 24weeks, 28 weeks, 32 weeks of age were 70%vs 72%, 85%vs84%, 88.9%vs88% respectively. From the analysis of data it can be said that there are very insignificant amount of differences between the observed data and recommended data .Therefore it may be inferred that Cobb 500 performed well under the existing management system.

**Key words:** Cobb 500 Breeder Management Guide, Environmentally Controlled House, Body weight gain, Production percentage, Hatchability percent

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