**A COMPARATIVE STUDY ON THE MANAGEMENT OF COBB 500 BROILER PARENT STOCK WITH THE RECOMMENDED MANAGEMENT IN PROGRESSIVE HATCHERY & POULTRY FARM**

**A Report by**

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**ABSTRACT**

A study was carried out on overall management of Cobb 500 broiler breeder parent stock to know their bio-security, housing pattern, brooding, feeding, vaccination, hatchery management. All sorts of activities practiced in Progressive hatcheries and poultry farm, from 09th August to 30 August, 2016. Progressive hatcheries had 7800 parent stock for day old chick production. The birds were provided with identical care & management like feeding, watering, ventilation, lighting, vaccination & disease control program. Results shows that bio-security were well maintained, housing pattern were environmentally controlled where slat cum litter systems were followed with rice husk as a litter material. The average body weight gain at starter stage (one month), grower stage (2-5 month), pre-breeder stage (6 month) and breeder stage (7th month - end) of Cobb-500 female birds was 351.25 gm, 2015.50 gm, 2767.00 gm and 3248.00 gm respectively. Similarly in Cobb-500 male birds it was 396.25 gm, 2698.00 gm, 3434.50 gm and 3850.00 gm 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% ,67%vs76%, 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 72% vs 74%, 86% vs 84%, 88% vs 90% respectively. The above mentioned result revealed that there are very insignificant amount of differences between the observed outcome and recommended result. Therefore it may be inferred that Cobb 500 performed well under the existing management system.

**Key words:** Cobb 500, Body weight gain, Egg Production & Management System, Hatchability.

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**CONTENTS**

|  |  |  |  |
| --- | --- | --- | --- |
| **SL. NO.** | **Chapter** | **CONTENTS** | **PAGE NO.** |
| 1 |  | ACKNOWLEDGEMENT |  |
| 2 |  | ABSTRACT |  |
| 3 | I | INTRODUCTION | 1-2 |
| 4 | II | REVIEW OF LITERATURE | 3-4 |
| 5 | III | MATERIALS AND METHODS | 5 |
| 6 | IV | RESULTS AND DISCUSSION | 6-20 |
| 7 | V | PROBLEMS & RECOMMENDATION | 21-22 |
| 8 | VI | CONCLUSION | 23 |
| 9 |  | REFERENCES | 24-25 |
| 10 |  | BIOGRAPHY | 26 |