

STUDY ON COWS FARM STRUCTURE AND MILK PRODUCTION OF CHITTAGONG AREA



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List of contents

Content Page No	III- IV
List of tables.....	V
List of graph.....	V
List of abbreviations.....	VI
Abstract.....	VII
Chapter I: Introduction.....	1-2
Chapter II: Materials and Methods.....	3-4
2.1 Study area and duration.....	3
2.2 Animal Selection.....	3
2.3 Data collection.....	3
2.4 Statistical analysis.....	4
Chapter III: Results and Discussion.....	5-11
3.1 Herd structure.....	5
3.2 Breeds their daily milk yield and live weight.....	6-7
3.3 Morning milk yield according to age.....	8
3.4 Evening milk yield according to age.....	8
3.5 Morning milk yield according to lactation period.....	9
3.6 Evening milk yield according to lactation period.....	10
3.7 Morning milk yield according to parity.....	10
3.8 Evening milk yield according to parity.....	11
Chapter IV: Limitations.....	12
Conclusion.....	13
References.....	14
Appendix.....	15
Acknowledgement.....	16
Biography.....	17

List of Tables

Table Title Page

Table 1. Number of cattle in different farms

Table 2. Number of milking cow according to age

Table 3. Different breeds their daily milk yield and live weight

List of Graph

Graph 1: Morning milk yield according to age

Graph 2: Evening milk yield according to age

Graph 3: Morning milk yield according to lactation period

Graph 4: Evening milk yield according to lactation period

Graph 5: Morning milk yield according to parity

Graph 6: Evening milk yield according to parity

Abbreviations Elaboration

DLS.....	Department of Livestock Services
BLRI.....	Bangladesh Livestock Research Institute
BRAC.....	Bangladesh Rural Advance Committee
Kg.....	Kilogram
No.....	Number
ACI.....	Advanced Chemical Industries
DMRT.....	Duncan Multiple Range Test
SD.....	Standard Deviation
SE.....	Standard Error
SAS.....	Statistical Analysis System

Abstract

The study was conducted to investigate the herd structure of different dairy farms in Chittagong area and total milk yield of the selected farms along with morning and evening milk yield. Most of the farmers of selected farms rear cross breed of high yielding cows such as Holstein Friesian, Jersey, Sahiwal and local breed also. Holstein Friesian (HF) cross breed are artificial inseminated by DLS HF bull frozen semen, HF BRAC bull frozen semen and HF ACI bull frozen semen. Jersey and Sahiwal cross breed are inseminated by respectively DLS Jersey and DLS Sahiwal bulls frozen semen where desi local breed are inseminated by desi unknown bulls. The consequence of milk yield higher to lower are Holstein Friesian cross breed with BRAC bull > Holstein Friesian cross breed with ACI bull > Holstein Friesian cross breed with DLS bull > Jersey cross breed with DLS bull > Sahiwal cross breed with DLS bull > Local breed with unknown bull and the average live weight consequence is also same. At the 9 years old crossbreed cows are come in pick production in this time they give average 15 ± 1.41 liters of milk per day per cow in morning and in evening 12.00 ± 2.82 liters per day per cow. In the 5th lactation period cows are also come in highest production. In this production period morning milk yield is 14.71 ± 3.77 liters per day per cow and evening milk yield is 10.42 ± 2.82 liters per day per cow. Cross breed of the cows are also give highest production in 5th parity at this stage they yield 15.16 ± 3.92 liters of milk per day per cow in morning and 10.66 ± 3.01 liters milk per cow in evening. In the 5th parity cows weight come in 426.67 ± 45.88 kg per cow which highest rather than other parity and in the 5th lactation period live body weight of cows occur 424.86 ± 42.15 kg which is more than other lactation period. Therefore we can interpret that milk production of cows are related to their age, parity and number of lactation period.

Key Words: Milk yield, Age, Parity, Body Weight.