**Contents**

|  |
| --- |
| **Contents Pages** |

**Abstract**

**Chapter 1: Introduction 1-2**

**Chapter 2: Materials and methods 3-4**

**Chapter 3: Results and Discussion 5-9 Limitation. 10**

**Conclusion 11**

**References 12-13**

**Acknowledgement 14**

**Biography 15**

|  |
| --- |
|  |

**List of tables**

|  |
| --- |
| **Table Title Page** |

**Table** **1:** Farm Structure of the studied farm  **5**

**Table 2:** Production traits of Holstein cows under three different **7**

farms in consideration of lactation numbers

**Table 3:** Reproduction traits of Holstein cows under three different farms **7**

in consideration of cows lactation number

**Table 4:** Production and Reproduction traits of Holstein cows under three **9**

different farms in consideration of cow’s lactation number

|  |
| --- |
|  |

**List of figures**

|  |
| --- |
| **Figure Title Page No** |

**Figure 1.** Milk yield (litre) of cows at particular day of **8**

the azizia dairy farm

**Figure 2.** Milk yield (litre) of cows at particular day of **8**

the super dairy farm

**Figure 3.** Milk yield (litre) of cows at particular day of **9**

the molla dairy farm

**ABSTRACT**

The study was undertaken to evaluate the productive and reproductive performance of Holstein crossbreds under three dairy farms in Chittagong district. Data were collected with a designed questionnaire on productive and reproductive traits. About 29 cows of 1st parity were taken as study population and cow’s age was ranges from 2 to 7 years and lactation number was from 1 to 5. It was found that with the increases of herd sizes milking cows number was also increases. Daily milk yield, lactation length and lactation milk production was varied with farms and lactation numbers. The daily milk yield and lactation milk yield was ranges from 16 to 23 litres and 1680 to 2360 litre, respectively. However the reproductive performance (calving interval and service per conception) did not vary with farms and lactations. Linear regression was fitted with the daily milk yield of Holstein crossbred cows of three farms and low fit was observed due to low R2 value.

**Key words:** Crossbred, productive and reproductive performance, regression.