**Economic Analysis Of Buffalo Production In Some Selected Districts Of Mymensingh Division**



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**List of Abbreviations**

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| **Abbreviation Elaboration** |
| FMD Footh and Mouth Disease  HS Hemorrhagic septicemia  BBS Bangladesh Bureau of Statistics |

**Economic analysis of buffalo production in some selected districts of Mymensingh division**

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**Abstract**

The present study was attempted to identify the socio-economic profile of the buffalo keeping farmers and to estimate the income from buffalo farming. To achieve the objectives 3 (three) districts namely: Mymensingh, Jamalpur, Tangail were selected purposively on the basis of buffalo population and 01 (one) Upazila was taken from each districts. A total of 150 (50 from each district) buffalo farmers were interviewed following simple random sampling technique. Data were collected during the month of January 2018 to April 2018 and analyzed using SPSS and STATA software tools. In this study, ‘Logit model’ was adopted using binary dependent variable. Study revealed that the highest per cent of farmers were in age group 31-45 years and engaged in agriculture as primary occupation. The highest number of farmers had primary level education and had above 15 years of experience of rearing buffalo. Average farm size was calculated 0.99 hectare, average family size was 5.50 persons per family and dependency ratio was also estimated 0.91. Per lactation total cost was estimated BDT 24,507, lactation period was 255 days and average milk production per day was 2 liter. It was found that about 78.66% farmers had access to artificial insemination (AI) and 85.33% farmers vaccinated their buffaloes where 58.66% FMD, 13.33% BQ and 8% HS. Ninety eight per cent farmers feed colostrum to the new born buffalo calves and almost 90 per cent farmers had done D-warming. Buffalo population was found highest in Madarganj and lowest in Haluaghat and sakhipur and on average per farm buffalo number was 23. The highest (33%) family income was derived from buffalo rearing followed by service, business, farming and livestock (except buffalo). The value of coefficient of Binary Logistic Regression Model showed that most of the prediction was justified and statistically significant and buffalo development program was helpful and necessity for the buffalo farmers.

**Keywords:** Buffalo; Income; Cost; Return and Variable