**Socioeconomic Study on Beef Fattening Farming System at Some Selected Areas of Kurigram District**



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**Roll No: 0120/02**

 **Registration No: 824**

**Session: 2020-2021**

**A thesis submitted in the partial fulfillment of the requirement for the degree of Masters of Sciences in Agricultural Economics**

**Department of Agricultural Economics and Social Sciences**

**Faculty of Veterinary Medicine**

**Chattogram Veterinary and Animal Sciences University, Khulshi, Chattogram -4225, Bangladesh**

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**…………………………..........……......……… ….……........………………**

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**AUTHORIZATION**

I do hereby declare that, I am the sole author of the thesis entitle as “ **Socioeconomic Study on Beef Fattening Farming System at Some Selected Areas of Kurigram District”** under the department of Agricultural Economics and Social Sciences, Chattogram Veterinary and Animal Sciences University (CVASU). I also authorize the CVASU to lend this thesis to other institutions or individuals for the purpose of scholarly research. I also authorize CVASU to reproduce the thesis by photocopying or by other means in total or in part, at the request of other institutions or individuals for the purpose of scholarly research.

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………………………

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**December 2022**

*Dedicated*

*To*

*My Beloved Parents*

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 **PLAGIARISM VERIFICATION**

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**LIST OF CONTENT**

|  |  |  |
| --- | --- | --- |
| **CHAPTER** | **TOPICS** | **PAGE NO** |
|  | **Acknowledgements** | **v** |
| **Contents** | **vii-ix** |
| **List of Tables** | **x** |
| **List of Figures** | **x** |
| **List of Abbreviations** | **xi** |
| **Abstract** | **xii** |
| **CHAPTER-I** | **INTRODUCTION** | **1-3** |
|  | 1.1 Background of the Study | 1-3 |
| 1.2 Objectives of the Study | 3 |
| **CHAPTER-II** | **REVIEW OF LITERATURE** | **4-16** |
|  | 2.1 Beef Cattle Production System in Bangladesh | 4 |
| 2.2 Importance of Cattle Rearing for Beef | 5-6 |
| 2.3 Cattle Fattening | 6-7 |
| 2.4 Cattle Fattening by Farmers in Bangladesh | 7-9 |
| 2.5 Animal Feed Resources | 9 |
| 2.6 Feeding System of Cattle Fattening | 9-11 |
|  2.6.1 Availability of rice straw and its use in  Bangladesh  | 9-10 |
|  2.6.2 Feeding of urea treated straw for cattle fattening | 10-11 |
|  2.6.3 Vitamin-mineral premix as growth promoters | 11 |
| 2.7 Other Management of Cattle Fattening | 11-13 |
| 2.8 Marketing of Cattle for Beef | 13-14 |
| 2.9 Cost and Income Generation from Cattle Fattening | 14-15 |
| 2.10 Livelihood of Farmers through Cattle Fattening in Bangladesh | 15-16 |
| **CHAPTER-III** | **MATERIALS AND METHODS** | **17-22** |
|  | 3.1 Introduction | 17 |
| 3.2 Selection of Study Areas | 17 |
| 3.3 Sampling Procedures | 18 |
| 3.4 Sample Characteristics | 18 |
| 3.5 Selection of Farmers  | 18 |
| 3.6 Selection of Sample Farms for the Study | 19 |

|  |  |  |
| --- | --- | --- |
|  | 3.7 Study Type and Information Assortment | 19 |
| 3.8 Technique for Information Assortment, Time and Dependability of Information | 19 |
| 3.9 Method of Data Collection | 20 |
| 3.10 Period of Data Collection | 20 |
| 3.11 Parameters Studied | 20-21 |
| 3.12 Processing of Data | 21 |
| 3.13 Data Tabulation and Analysis | 21-22 |
| **CHAPTER-IV** | **RESULTS AND DISCUSSION** | **23-37** |
|  | 4.1 Socio-economic Condition of the Cattle Farmers | 22-23 |
|  4.1.1 Level of education  | 25 |
|  4.1.2 Age of the farmers  | 25 |
|  4.1.3 Family size | 25-26 |
|  4.1.4 Land size  | 26 |
|  4.1.5 Training  | 26 |
|  4.1.6 Source of capital | 26-27 |
| 4.2 Factors Associated with Beef Fattening | 27-30 |
|  4.2.1 Breed type | 28 |
|  4.2.2 Sex of animal  | 28 |
|  4.2.3 Farm size  | 28 |
|  4.2.4 Pattern of the program  | 29 |
|  4.2.5 Period of fattening  | 29 |
|  4.2.6 Marketing | 29 |
|  4.2.7 Manure management | 29-30 |
| 4.3 Feed and Cattle Management | 30-31 |
|  4.3.1 Roughage  | 30 |
|  4.3.2 Concentrate | 30 |
|  4.3.3 Treatment of Straw | 31 |
|  4.3.4 Rearing system | 31 |
|  4.3.5 Ration formulation | 31 |
| 4.4 Information about Steroids and Feed Additives | 31-32 |
|  4.4.1 Use of steroid | 31 |
|  4.4.2 Growth promoter & feed additives | 31-32 |
| 4.5 Costs, Returns and Profitability of Beef Fattening System | 32-37 |
| 4.6 Farmer’s Perception and Opinion on Beef Fattening Practices | 38 |
| **CHAPTER-V** | **IDENTIFIED PROBLEMS AND REMEDIAL MEASURE** | **39-46** |
|  | 5.1 Introduction | 39 |
| 5.2 Problems Faced by the Beef Fattening Farmers | 39-43 |
|  5.2.1 High price of straw and concentrate feeds | 39-40 |
|  5.2.2 Shortage of green grass and straw | 40-41 |
|  5.2.3 Fluctuation of the fattened cattle price | 41 |
|  5.2.4 Disease attack | 41 |
|  5.2.5 High price of medicine | 41 |
|  5.2.6 Lack of extension services | 41-42 |
|  5.2.7 Lack of training  | 42 |
|  5.2.8 Complexity of bank loan | 42 |
|  5.2.9 Feed poising and mineral deficiency | 42 |
|  5.2.10 Marketing problems | 43 |
| 5.3: Suggested Measures to Tackle the Problems | 43-46 |
|  5.3.1 Lowering the feed cost | 43-44 |
|  5.3.2 Ensure regular supply of quality feeds & fodders | 45 |
|  5.3.3 Made available with a reasonable price of cattle  feed | 45 |
|  5.3.4 Ensuring adequate veterinary services and health  care facilities | 45 |
|  5.3.5 Proper feeding, housing and management practices | 45-46 |
|  5.3.6 Providing regular training & vet. extension services | 46 |
|  5.3.7 Providing bank loan facility | 46 |
| **CHAPTER-VI** | **SAMMARY AND CONCLUSION** | **47-48** |
|  | **REFERENCE** | 49-60 |
| **APPENDIX I** | 61-62 |
| **APPENDIX II** | 63-65 |
| **Brief Bio-data**  | 66 |

**LIST OF TABLES**

|  |  |  |
| --- | --- | --- |
| **Serial No.** | **Name of tables** | **Page No.** |
| **3.1** | Selection of the study area | 18 |
| **4.1** | Socio-economic profile of beef fattening farmers | 23-24 |
| **4.2** | Different factors that effect in beef fattening | 27 |
| **4.3** | Distribution of responders by management of feed and cattle | 30-31 |
| **4.4** | Details about steroid and nutritional supplements | 32 |
| **4.5** | Estimated per cattle cost, benefit, and profitability under in small (≤ 5 cattle) farming system | 33-34 |
| **4.6** | Estimation of cost, returns and profitability of medium (6-10 cattle) farming system Farming system. | 34 |
| **4.7** | Estimated per cattle cost, benefit, and profitability under in large (> 10 cattle) farming system (≥ 10 cattle) farming system | 35 |
| **4.8** | Comparative cost, benefit and profitability per cattle considering all farms. | 36 |
| **4.9** | Farmer’s perception and opinion on beef fattening practices. | 38 |
| **5.1** | Identified major beef fattening problems. | 40 |
| **5.2** | Problems in marketing of beef cattle*.* | 43 |
| **5.3** | Possible suggestions for enhancing the process of beef cattle fattening practices. | 44 |

**LIST OF FIGURES**

|  |  |  |
| --- | --- | --- |
| **Serial No.** | **Name of figures** | **Page No.** |
| **1** | Map of the study area | 17 |
| **2** | Comparative cost, return and profit of different categories of farms | 37 |
| **3** | Perception and opinion of farmers about beef fattening | 38 |
| **4** | Pictorial view of data collection | 61 |
| **5** | Roughage and concentrate for fattened cattle | 62 |

 **ACRONYMS / LIST OF SYMBLE AND ABBREVIATIONS**

|  |  |  |
| --- | --- | --- |
| **Abbreviations and symbols** |  | **Full meaning** |
|  |  |  |
|  LWG |  | Live weight gain |
|  |  |  |
|  BBS |  | Bangladesh Bureau of Statistics |
|  |  |  |
| BER |  | Bangladesh Economic Review |
|  |  |  |
| FAO |  | Food and Agriculture Organization |
|  |  |  |
| DLS |  | Department of Livestock Services |
|  |  |  |
| GDP |  | Gross Domestic Product |
|  |  |  |
| NGO |  | Non- Government Organization |
|  |  |  |
| SD |  | Standard Deviation |
|  |  |  |
| GNP |  | Gross National Product |
|  |  |  |
| SPSS |  | Statistical Package for Social Science |
|  |  |  |
| kg |  | Kilo gram |
|  |  |  |
| S.S.C | Secondary School Certificate |
|  |  |
| H.S.C | Higher Secondary School Certificate |
|  |  |
| / | Per or Slash |
|  |  |
| % | Percent |
|  |  |
| ± | Plus, and minus |
|  |  |
| i.e. | That is |
|  |  |
| ≤ | Less than equal |
|  |  |
| ˃ | Greater than  |
|  |  |
| etc. | Et cetera (L) and other |
|  |  |
| g/d | Gram per day |
|  |  |

**Abstract**

The purpose of the research was to evaluate the economic well-being of livestock producers and the current methods of beef fattening in certain regions of Kurigram district of Bangladesh. In May to August of 2022, 100 randomly chosen farms filled out a standardized questionnaire for this research. Age, education, employment, family size, land area, money availability, farm size, net income from fattening cattle, and issues with all cattle fattening factors that were analyzed. The purpose of this study was to investigate the financial viability of beef cattle fattening operations in the northern area of Bangladesh. Random selection was used to choose 100 cattle fatteners from three upazila at Kurigram districts that together constitute the largest concentration of fatteners in that region. The residents of Phulbari, Nageswari and Bhurungamari area were polled in order to compile socio-economic statistics and information on the fattening of cattle respectively. The socio-economic features of beef producers were analyzed using descriptive statistics, the profitability of the beef market was determined using the profit function and discover the factors that impact the profitability of beef cattle. Despite the fact that beef cattle raising is a lucrative enterprise, the majority of farmers still use traditional beef fattening methods. These methods of beef fattening target the cattle selling during Eid-ul-Adha, a religious holiday celebrated by Muslims. The margin of profitability for each beef cattle from all farms were calculated to be BDT 14017.5 Since the overall benefit cost ratio for the enterprise was calculated to be 1.14 but the medium farms( 6-10 cattle) are more profitable than small( ≤5 cattle) and large(> 10 cattle) farms. The optimum rearing time for beef fattening is 6 months that gives comparatively more profit. It can be concluded that the cattle fattening operation is both practicable and lucrative as a commercial perspective. The high cost of feeds, poor financing facilities, disease outbreaks, the unlawful use of human medications for the purpose of increasing the size of cattle herds, price swings, and a lack of competent extension services are the most significant challenges that farmers face today. Fatteners should be educated on how to formulate local feeds to reduce cost and access to feeds for better efficiency, and the use of human drugs, tablets, and injections for cattle fattening should be discouraged. The focus of policy and research should be on the production of feeds at prices that are affordable to fatteners. These findings may be utilized by Ministry of Livestock and Fisheries Development extension workers to spread the practice of beef cattle fattening to the areas of the country where it is not yet common.

**Keywords:** Economic Analysis, Beef cattle, Fattening, Profitability, lucrative enterprise.