**STUDY ON EXISTING NUTRITIONAL CONDITION OF PERI-URBAN DAIRIES AT CHITTAGONG**

****

# A PRODUCTION REPORT SUBMITTED

# BY

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Intern ID: D-41

Roll No: 07/45

Registration No: 332

***Report Presented In Partial Fulfillment for the Degree of Veterinary Medicine.***

**Chittagong Veterinary and Animal Sciences University**

**Khulshi, Chittagong-4202**

**February, 2013**

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**LIST OF FIGURE AND PICTURE**

**LIST OF ABBREVIATION AND SYMBOL USED**

|  |  |
| --- | --- |
| Abbreviation and symbol | Elaboration |
| % | Percent |
| / | per |
| +ve | Positive |
| ± | plus-minus |
| 0C | Degree Celsius |
| a.m. | ante meridiem |
| A.O.A.C | Association of Official Analytical Chemist |
| AIA | Acid Insoluble Ash |
| B.W. | Body Weight |
| BBC | The British Broadcasting Corporation |
| CF | Crude Fiber |
| cm | Centimeter |
| CP | Crude Protein |
| DLS | Department of Livestock Services |
| DM | Dry Matter |
| DMB | Dry Matter Basis |
| DMS | Degrees Minutes Seconds |
| EE | Ether Extract |
| FAO | Food and Agriculture Organization |
| g (gm) | Gram |
| HCL | Hydrochloric acid |
| hrs | Hours |
| Kg | Kilogram |
| mg | milligram |
| ml | milliliter |
| mm | millimeter |
| NaOH | Sodium Hydroxide |
| NFE | Nitrogen Free Extract |
| No. | Number |
| SL | Serial |
| SRL | Stained Rumen Liquor |
| TA | Total Ash |
| -Ve | Negative |

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**ABSTRACT**

The present study was undertaken to observe the nutritive value of concentrate feed used in different dairy farm at peri-urban areas of Chittagong, Bangladesh. Ten (10) different concentrate feed of randomly selected ten different farms were collected from study areas. Chemical analyses of the samples were carried out in triplicate for moisture, dry matter (DM), crude protein (CP), crude fiber (CF), nitrogen free extracts (NFE), ether extracts (EE), total ash (TA) and acid insoluble ash (AIA) in the Animal Nutrition Laboratory and Poultry Research and Training Center (PRTC), CVASU, Chittagong, Bangladesh for a period of 3 months. It was found that the nutritive values of individual feed ingredients of each farm varied significantly (p<0.01). It may be included that the amount of concentrate feed offered in individual farm in regard to milk productionis also significantly (p<0.01) varied from farm to farm. In the second experiment the result demonstrated that the weight gain of different animals in different groups varied significantly (p<0.001). Finally, it may be summarized that the concentrate mixture used by the different farmers of peri urban area at Chittagong was different in regards to composition of feed and production of the animal. It may further included that the farmers of the study area should maintain a balance ration for the better production of the farm.

**Key words:** Concentrate feed, proximate component, weight gain, peri-urban dairies

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