The AJAS
THE ASIAN JOURNAL OF ANIMAL SCIENCE
Volume **8** | Issue 1 | June, 2013 | 12-15

RESEARCH ARTICLE

Effect of bypass fat supplementation on haematology, growth and reproductive performance in Jaffrabadi buffaloes

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ABSTRACT..... The objective of the experiment was conducted to evaluate the effect of feeding bypass fat on haematological, growth and reproductive parameters on Jaffrabadi buffaloes (twenty four) in their 1-4 lactation. They were randomly selected and divided into four group of six each for 183 days. Twenty four Jaffrabadi buffaloes were divided into four groups of equal number: Control group (T_1), Bypass fat @ 10g/lt. milk yield (T_2), Bypass fat @ 20g/lt. milk yield (T_3) and Bypass fat @ 30g/lt. milk yield (T_4). Blood samples were collected on the 1st and 183rd day of the trail. A close examination of the nutritive effects of different levels of bypass fat (MAGNAPAC) supplementation on haematological values in the blood (white blood cell count (WBC), red blood cell count (RBC), hemoglobin (Hb) and pack cell volume (PCV) was carried out. Body weight and reproductive parameters like service period, conception rate and post partum estrus were consideration in this experiment. No significant differences were found between treatments in haematological values and in growth of animals. But due to these treatments required about 16 -27% less service per conception, observed shorter service period than control group. Bypass fat have no effect on haematological and growth parameters but it helped to improve the reproductive performance especially in post partum in Jaffrabadi buffaloes.

KEY WORDS..... Haematology, Growth, Bypass fat, Reproductive performance, Jaffrabadi buffaloes

HOW TO CITE THIS ARTICLE - Savsani, Harish H., Murthy, K.S., Padodara, Ramesh J., Bhadaniya, Amit R. and Kalaria, Vinay A. (2013). Effect of bypass fat supplementation on haematology, growth and reproductive performance in Jaffrabadi buffaloes. *Asian J. Animal Sci.*, **8**(1) **:** 12-15.

ARTICLE CHRONICLE - Received **:** *29.01.2013;* Revised **:** *19.04.2013;* Accepted **:** *14.05.2013*

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