

EFFECT OF USING DIFFERENT LEVELS OF FENUGREEK SEEDS ON SOME PHYSIOLOGICAL CHARACTERS IN BLOOD SERUM TO THE EWES AWASE DOMESTIC

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ABSTRACT

In this study, nine ewes were used, divided into three groups each group contains three ewes fed on concentrates containing different amounts of fenugreek seeds 0, 3, 6 % to treatments C, T1, T2 respectively (First treatment is the control treatment) from the beginning of November to the end of December 2008. At the end of the experiment blood samples were taken from vein from the neck. The serum was isolated from the blood to measure some physiological characteristics of the serum, which is glucose, cholesterol, total protein ,albumen protein , urea, Glutamic Pyruvic Transaminase(GPT), Glutamic Oxaloaceti Transaminas(GOT) and Alkaline phosphatase (ALP). There was no significant differences between the treatments concerning glucose, albumen protein, urea, and enzyme ALP concentrations, significant decrease in cholesterol concentrate of treatment T2 compared with C, T1 treatments, and significant increase of total protein concentration in blood serum for treatment T2 compared with C , T1 treatments, and significant decreased of enzyme GOT concentration for treatment T2 compared with C treatment, and significant decrease in enzyme GPT concentrate for treatments T2,C compared with treatment T1 and significant decrease to treatment T2 compared with treatment C .

Key words: Fenugreek seeds, Ewes, Blood serum.