THE EFFECTS OF NUTRITIONAL FLUSHING ON THE PREMATI METABOLIC AND ENDOCRINE PROFILES OF DOES

BLASU,[1] E. Y., KARIKARI, P. K[2]., AINA,[3] A. B. J., DOSOO,[4] D. and KAYAN,[4] K

[1]*Presbyterian University College-Ghana, Abetifi, Ghana.*

[2]*Dairy/Beef Cattle Research Station, KNUST*

[3]*Department of Animal Production and Health, University of Agriculture, Abeokuta, Nigeria.*

[4]*Kintampo Health Research Centre, Ministry of Health, Kintampo, Ghana.*

ABSTRACT

As part of a 2x2 factorial (factors: supplementation level and age) flushing experiment to termine the physiologic link between nutrition and reproduction in 3 – 6 year old West A can Dwarf goats, the metabolic and pituitary functioning status of the does were determin The parameters measured were: blood glucose, total protein, calcium, insulin, and luteini hormone (LH) at mating. Generally, the interaction of high supplementation and younger (3 – 4 year) tended to be associated with low serum concentration of glucose and high se levels of total protein, while the combination of low supplementation level and younger ag – 4 year) showed higher serum concentration of insulin and LH. It was concluded that fl ing induced pre-breeding metabolic and pituitary functioning status in does, characterize the tendency for low serum concentration of glucose, but high levels of total protein, ins and LH in the 3 - 4 year does.