



## HAEMATOLOGICAL AND SERUM BIOCHEMICAL CHARACTERISTICS OF WEANER RABBITS FED PLANTAIN LEAF AND CONCENTRATE

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### INTRODUCTION

- Rabbits are prolific and capable of utilizing forages.
- Plantain leaf is abundant and rich in potassium and can alleviate dry season problem of feed shortage
- Blood indices show effects of nutrition

- No altered effect on parameters except TWBC.
- Haematological indices in this study suggested their physiological disposition to the plain of nutrition.
- Allergic conditions and parasitism was observed for those on Treatment 4.

Table 2: Serum Biochemical Indices and Electrolytes

Indices	T1	T2	T3	T4	T5
Urea (mmol/L)	7.67 <sup>a</sup>	4.87 <sup>b</sup>	4.87 <sup>ab</sup>	7.73 <sup>a</sup>	6.40 <sup>ab</sup>
Creatinine (µmol/L)	69.67	74.33	91.00	76.00	93.00
Glucose (mmol/L)	8.87 <sup>ab</sup>	8.9 <sup>ab</sup>	6.50 <sup>a</sup>	4.17 <sup>b</sup>	17.07 <sup>c</sup>
Na	153.67 <sup>a</sup>	142.67 <sup>ab</sup>	136.00 <sup>b</sup>	133.67 <sup>b</sup>	135.00 <sup>b</sup>
K	7.90 <sup>a</sup>	5.37 <sup>b</sup>	5.47 <sup>b</sup>	4.10 <sup>b</sup>	6.47 <sup>b</sup>



Serum Biochemical Indices and Electrolytes

### MATERIALS AND METHODS

- Growth study lasted 8 weeks
- Blood collected at end of experiment from 30 rabbits grouped into five
- Blood analysis was on haematology and serum characteristics



- No altered effect on creatinine
- Urea and glucose were affected by treatment but showed no trend
- Values here did not show deleterious effects

### RESULTS



Haematological Indices of Weaner Rabbits Fed Plantain Leaf



### CONCLUSIONS

Plantain leaf did not adversely affect haematology and serum biochemistry of rabbits. It is recommended as a veritable feedstuff for rabbits.