Performance of camels and cattle kept extensively on East African rangelands



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Introduction

- Camels (C. camelus) and local cattle breeds (B. indicus) are preferred livestock species kept in the arid and semi-arid regions of East Africa because they are better adapted to harsh climatic conditions and forage scarcity.
- Supplementation of animals with rumen-degradable protein (RDP) might improve animal performance during periods of inadequate nutrition.
- *Research question: Does season have a stronger effect on* performance of exotic cattle as compared to local cattle and camels, and do exotic cattle respond better to supplementation than local cattle and camels?

Conclusion

- ✓ Season had a strong effect on the milk yield of both cattle genotypes with an impaired performance during the transition period as compared to the rainy season.
- Milk yield of camels was not influenced by \checkmark season, indicating a better adaptation than cattle to the environment.
- Treatment had no effect on milk yield in any of the genotypes.





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Season

 No significance effect of treatment and season on milk composition in all genotypes.

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