Agricultural Systems 184 (2020) 102898

Contents lists available at ScienceDirect

Agricultural Systems

journal homepage: www.elsevier.com/locate/agsy

Corrigendum

Corrigendum to "A new approach for improving emission factors for enteric methane emissions of cattle in smallholder systems of East Africa – Results for Nyando, Western Kenya" [Agricultural systems volume (161) pp72–80]

J.P. Goopy[a,c,*], A.A. Onyango[a,b], U. Dickhoefer[b], K. Butterbach-Bahl[a,d]

[a] Mazingira Centre, International Livestock Research Institute, Nairobi, Kenya
[b] University of Hohenheim, Stuttgart, Germany
[c] University of Melbourne, Victoria, Australia
[d] Karlsruhe Institute of Technology, Institute of Meteorology and Climate Research, Atmospheric Environmental Research, Garmisch-Partenkirchen, Germany

The authors regret that a recent examination of our data for other purposes has led to the discovery of an error in the calculation of the Metabolic Energy Requirement for maintenance (MERm) in the original calculations of this article. This was occasioned by the application of an incorrect constant to the calculation of MERm to male animals > 2 yrs., male animals 1-2 yrs. and calves and had the effect of increasing the Emission Factors (EF) for these classes of animals by 3–29%. The corrected table of EFs for all classes of animal is reproduced directly below.

Table 9. Mean live weight (LW:kg) and emission factors (EF: CH_4 kg/animal/yr) for the five classes of cattle in the three topographic zones of the Nyando basin, Kenya.

Topographic zones	Females > 2 years old		Females 1–2 years old		Males > 2 years old		Males 1–2 years old		Calves < 1 year old	
	LW	EF	LW	EF	LW	EF	LW	EF	LW	EF
Highlands	267.3	34.1	220.6	21.7	249.2	29.0	180.0	26.9	87.5	18.1
Lowlands	185.0	26.7	128.4	19.3	196.0	26.4	129.1	23.2	62.7	14.6
Slopes	215.7	27.1	157.1	23.5	219.5	28.4	139.5	24.6	74.6	15.6
Mean	216.3	28.3	154.6	23.0	216.0	27.8	143.5	24.2	73.4	15.8

The authors wish to emphasise that this does not affect the text or the formulae given in the article, as these were correct.
The authors would like to apologise for any inconvenience caused.

DOI of original article: https://doi.org/10.1016/j.agsy.2017.12.004
* Corresponding author.
E-mail address: j.goopy@cgiar.org (J.P. Goopy).

https://doi.org/10.1016/j.agsy.2020.102898

Available online 28 July 2020