Supplementary Table S1

Postgrazing herbage mass, postgrazing sward height and alkane concentrations in steer-grazed pastures of dwarf elephant grass (Pennisetum purpureum cv. BRS Kurumi) cultivated alone, dwarf elephant grass intercropped with peanuts (Arachis pintoi cv. Amarillo) and peanut alone

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| --- | --- | --- | --- |
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|  | Treatments |  |  |
|  | DEG | DEG + peanut | R.S.D.5 | *P-*value |
| Offered area (m2/steer per day)  | 58.2 | 113.3 | 1.36 | <0.001 |
| Forage allowance (kg DMGL/100 kg BW)1 | 6.8 | 6.8 | 0.29 | 0.862 |
| Dwarf elephantgrass pasture alone or mixed with peanuts |
| Postgrazing herbage mass (kg/ha)2 | 1,403 | 1,553 | 90.8 | 0.028 |
| Postgrazing sward height (cm) | 62.7 | 59.1 | 0.48 | <0.001 |
| C31 (mg/kg DM) | 105.0 | 105.8 | 10.81 | 0.901 |
| C32 (mg/kg DM) | 16.6 | 12.9 | 8.32 | 0.476 |
| C33 (mg/kg DM) | 131.8 | 134.9 | 10.12 | 0.608 |
| Peanut alone |  |  |
| Herbage mass (kg/ha)3  | - | 2335 | 111.7 | - |
| Postgrazing sward height (cm)4 | - | 13.4 | 0.62 | - |
| C31 (mg/kg DM)  | - | 83.3 | 10.61 | - |
| C32 (mg/kg DM)  | - | 14.8 | 2.41 | - |
| C33 (mg/kg DM)  | - | 101.9 | 8.34 | - |
|  |  |  |  |  |

DEG = dwarf elephant grass pasture alone; DEG + peanut = dwarf elephant grass pasture mixed with peanut.

1 DMGL = dry matter of green leaves of dwarf elephant grass in the DEG treatment or dry matter of green leaves of dwarf elephant grass + petiole and foliole of peanut in the DEG + peanut treatment.

2 Measured with a sward stick.

3 Petiole + foliole of peanut pasture.

4 Measured with a rising plate meter.

5 Residual standard deviation.