

Erratum

Erratum: Rufino-Moya, P.J., et al. Methane Production of Fresh Sainfoin, with or without PEG, and Fresh Alfalfa at Different Stages of Maturity is Similar, but the Fermentation End Products Vary. *Animals* 2019, 9, 197

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The authors wish to make the following correction to their paper [1].

In Table 2, the production of methane in alfalfa at the start-flowering should be 38 mL/g dOM and not 3 mL/g dOM.

Table 2. Effect of the substrate (S) and the stage of maturity ¹ (SM) on gas and methane production (CH₄), potential gas production (A), rate of gas production (c), in vitro organic matter degradability (IVOMD), ammonia (NH₃-N), and volatile fatty acids (VFAs).

| Item | Alfalfa | | | Sainfoin | | | Sainfoin+PEG | | | r.s.d. ² | P-values | | |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------|---------|---------|
| | VEG | Start-F | End-F | VEG | Start-F | End-F | VEG | Start-F | End-F | | S | SM | SxSM |
| pH | 6.42 ^a | 6.44 ^a | 6.41 ^a | 6.35 ^{bx} | 6.32 ^{by} | 6.33 ^{by} | 6.37 ^{bx} | 6.31 ^{bz} | 6.34 ^{by} | 0.032 | < 0.001 | 0.002 | 0.01 |
| Gas production (mL/g dOM ³) | 179 | 184 | 188 | 183 | 163 | 181 | 180 | 199 | 173 | 26.5 | 0.43 | 0.97 | 0.12 |
| A (mL) | 68 ^x | 67 ^{bxy} | 62 ^y | 63 ^y | 74 ^{bx} | 70 ^x | 65 ^y | 78 ^{ax} | 67 ^y | 5.7 | 0.01 | < 0.001 | < 0.001 |
| c (h ⁻¹) | 0.2 ^a | 0.22 ^a | 0.19 | 0.14 ^{by} | 0.16 ^{bxy} | 0.19 ^y | 0.15 ^{bx} | 0.15 ^{bx} | 0.19 ^y | 0.037 | < 0.001 | 0.02 | 0.05 |
| CH ₄ production (mL/g dOM ³) | 37 | 38 | 39 | 37 | 33 | 38 | 37 | 39 | 36 | 5.0 | 0.29 | 0.73 | 0.17 |
| CH ₄ :gas (%) | 14.5 | 14.2 | 14.1 | 14.1 ^{xy} | 13.4 ^y | 14.8 ^x | 14.5 | 14.4 | 14.4 | 0.88 | 0.35 | 0.13 | 0.11 |
| IVOMD (%) | 85.13 ^{bx} | 83.73 ^{bx} | 76.97 ^{by} | 84.97 ^{by} | 92.59 ^{ax} | 85.58 ^{ay} | 86.81 ^{ay} | 93.59 ^{ax} | 86.41 ^{ay} | 1.692 | < 0.001 | < 0.001 | < 0.001 |
| NH ₃ -N (mg/L) | 240 ^a | 247 ^a | 210 | 206 ^b | 184 ^b | 201 | 242 ^a | 234 ^a | 215 | 31.7 | < 0.001 | 0.06 | 0.20 |
| Total VFAs (mmol/L) | 102 ^{xy} | 105 ^x | 97 ^y | 96 ^y | 103 ^x | 101 ^{xy} | 99 ^y | 105 ^x | 102 ^{xy} | 7.1 | 0.61 | 0.02 | 0.35 |
| Acetic acid (C ₂) (mol/100 mol) | 63.1 ^{cy} | 63.9 ^{bx} | 64.0 ^{bx} | 65.4 ^{ay} | 66.5 ^{ax} | 66.3 ^{ax} | 63.9 ^{by} | 64.6 ^{bx} | 64.5 ^{bx} | 0.76 | < 0.001 | < 0.001 | 0.95 |
| Propionic acid (C ₃) (mol/100 mol) | 15.5 ^a | 15.3 ^a | 15.3 ^a | 15 ^{bx} | 14.5 ^{cy} | 14.5 ^{by} | 15.3 ^{ax} | 14.9 ^{by} | 15.2 ^{ax} | 0.28 | < 0.001 | < 0.001 | 0.09 |
| Butyric acid (mol/100 mol) | 13.0 ^a | 12.6 ^a | 12.6 ^a | 12.1 ^c | 12.2 ^b | 12 ^b | 12.5 ^b | 12.8 ^a | 12.4 ^a | 0.45 | < 0.001 | 0.20 | 0.16 |
| Iso-butyric acid (mol/100 mol) | 1.97 ^{ax} | 1.91 ^{axy} | 1.87 ^{ay} | 1.82 ^{bx} | 1.68 ^{by} | 1.72 ^{by} | 1.97 ^{ax} | 1.83 ^{ay} | 1.84 ^{ay} | 0.100 | < 0.001 | < 0.001 | 0.63 |
| Valeric acid (mol/100 mol) | 2.14 ^{axy} | 2.09 ^{ay} | 2.22 ^{ax} | 1.87 ^{bx} | 1.7 ^{cy} | 1.83 ^{cx} | 2.12 ^{ay} | 1.95 ^{bx} | 2.04 ^{by} | 0.107 | < 0.001 | < 0.001 | 0.11 |
| Iso-valeric acid (mol/100 mol) | 4.27 ^{ax} | 4.09 ^{axy} | 4.04 ^{ay} | 3.87 ^{bx} | 3.5 ^{by} | 3.65 ^{by} | 4.19 ^{ax} | 3.91 ^{ay} | 3.93 ^{ay} | 0.223 | < 0.001 | < 0.001 | 0.69 |
| C ₂ :C ₃ (mol/mol) | 4.1 ^{cy} | 4.18 ^{cxy} | 4.2 ^{bx} | 4.39 ^{ay} | 4.62 ^{ax} | 4.59 ^{ax} | 4.18 ^{by} | 4.36 ^{bx} | 4.25 ^{by} | 0.109 | < 0.001 | < 0.001 | 0.13 |
| CH ₄ :VFA (mL/mol) | 2.41 | 2.24 ^b | 2.35 | 2.53 | 2.22 ^b | 2.48 | 2.62 | 2.73 ^a | 2.4 | 0.313 | 0.01 | 0.26 | 0.10 |

¹ VEG: vegetative; Start-F: start of flowering; End-F: end of flowering; ² residual standard deviation; ³ degraded organic matter. Within a parameter, means with different superscript (a,b,c) differ at $P < 0.05$ for the substrate effect in each stage of maturity; with different superscript (x,y,z) at $P < 0.05$ for the stage of maturity effect in each substrate.

The authors would like to apologize for any inconvenience caused.

Reference

1. Rufino-Moya, P.J.; Blanco, M.; Bertolín, J.R.; Joy, M. Methane Production of Fresh Sainfoin, with or without PEG, and Fresh Alfalfa at Different Stages of Maturity is Similar but the Fermentation End Products Vary. *Animals* **2019**, *9*, 197. [[CrossRef](#)] [[PubMed](#)]



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