**Appendix**

**Figure 1A.** **Dung nutrient contents and nutrient ratios according to species and seasons.** a. Carbon content; b. nitrogen content; c. phosphorus content; d. carbon-to-nitrogen ratio; e. carbon-to-phosphorus ratio; f. nitrogen-to-phosphorus ratio. Dark bars: dry season; light bars: wet season. The numbers in the bars correspond to the number of samples.



**Figure A2. Dung nutrient leaching rate according to species.** a. Ammonium concentration; b. nitrate concentration; c. phosphorus concentration.

leaching_fig_annexe

**Table A1. Comparison of the linear models on nutrient concentrations and nutrient ratios in dung as a function of guilds and seasons.** Only significant models are shown. The best model is in bold.

|  |  |  |  |
| --- | --- | --- | --- |
| **Nutrient or ratio** | **Model** | **DF** | **AIC** |
| Carbon | Guild \* season | 5 | 725.3484 |
| **Guild + season** | **4** | **723.4279** |
| Guild | 3 | 742.4301 |
| Season | 3 | 733.0074 |
| Phosphorus | Guild \* season | 5 | 353.3271 |
| **Guild + season** | **4** | **352.1731** |
| Guild | 3 | 364.1287 |
| Season | 3 | 354.9158 |
| Carbon:phosphorus | **Guild \* season** | **5** | **778.1912** |
| Guild + season | 4 | 778.4024 |
| Guild | 3 | 789.3099 |
| Season | 3 | 789.4132 |
| Nitrogen:phosphorus | Guild \* season | 5 | 167.2580 |
| **Guild + season** | **4** | **166.5873** |
| Guild | 3 | 193.0952 |
| Season | 3 | 193.6852 |

**Table A2. Comparison of the linear models on nutrient leaching as a function of guilds and time**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nutrient** | **Model** | **DF** | **AIC** |
| Ammonium | Guild \* season | 7 | 54.59159 |
| Guild + season | 5 | 54.70016 |
| **Guild** | **3** | **53.75769** |
| Season | 4 | 60.86247 |
| Nitrate | Guild \* season | 7 | 180.7183 |
| Guild + season | 5 | 176.8023 |
| **Guild** | **3** | **172.9792** |
| Season | 4 | 181.8176 |
| Phosphorus | Guild \* season | 7 | 193.6069 |
| Guild + season | 5 | 190.1101 |
| Guild | 3 | 188.1276 |
| Season | 4 | 188.2698 |