

Table 1. Effects of different supplementations during the rainy season on nitrogen (N) metabolism of beef cattle steers on tropical pasture (g/day, unless otherwise stated)

Item	Diets ¹			SEM ²	P-value
	MS	AMSP	EPSP		
N intake	133.353	139.211	125.792	8.991	0.766
Urinary-N excretion	41.161 ^a	29.772 ^b	26.993 ^b	2.848	0.036
Fecal-N excretion	55.655	59.609	51.432	3.740	0.673
Urinary-N excretion, % of N intake	30.660 ^a	21.115 ^{ab}	25.309 ^b	1.805	0.021
Fecal-N excretion, % of N intake	42.553	43.716	42.097	1.310	0.804
Retained-N	36.537	52.608	44.587	5.067	0.151
Retained-N, % of N intake	26.785 ^b	35.168 ^a	32.593 ^a	2.085	0.006

^{a-b}Values followed with superscript letters indicate statistical differences ($P < 0.05$) based on Tukey test

¹MS = *ad libitum* mineral supplementation; AMSP = added mineral supplementation of 0.1% of BW per day plus phytogenic blend, and EPSP = energetic-protein supplementation of 0.3% of BW per day plus phytogenic blend

²SEM = standard error of the mean