

Table 1. Micro mineral concentration of grass and legume (mg kg⁻¹ DM)

Forage species	Season	Zn	Fe	Mn	Cu	Se
Critical level*		33	50	40	11	0.2
Toxic level		750	500	1000	25	2.0
Grass species						
<i>A. compressus</i>	Rainy	44.40	498.10	282.60	9.20	0.13
	Dry	34.20	511.40	208.70	9.70	0.09
	Se	*	**	***	Ns	*
<i>P. purpuphoides</i>	Rainy	33.70	148.40	572.50	10.10	0.10
	Dry	32.30	116.40	69.00	8.50	0.12
	Se	Ns	***	***	*	Ns
<i>P. maximum</i>	Rainy	33.70	265.70	136.80	5.60	0.20
	Dry	29.90	131.50	123.00	9.50	0.10
Legumes species	Se	Ns	***	**	*	*
<i>C. pubescens</i>	Rainy	40.20	297.40	37.30	16.60	0.41
	Dry	27.90	282.60	29.00	15.00	0.30
	Se	**	**	**	Ns	*
<i>C. mucunoides</i>	Rainy	35.80	525.00	49.20	9.30	0.08
	Dry	30.00	589.60	38.40	8.80	0.07
	Se	Ns	***	**	*	Ns
<i>L. leucocephala</i>	Rainy	32.90	157.20	27.10	11.60	0.13
	Dry	26.20	138.80	22.20	8.60	0.12
	Se	**	**	*	*	Ns
<i>A. mangium</i>	Rainy	30.60	159.40	38.90	9.80	0.20
	Dry	25.00	147.00	27.50	3.80	0.11
	Se	*	**	**	**	*
Mean of grasses	Overall	34.7	278.9	241.2	9.0	0.28
Deficiency (%)	Overall	33.33	0.00	0.00	100.00	16.67
Sig. of effect	Species	Ns	***	***	*	Ns
	Season	Ns	**	***	**	*
	Spe. X Sea.	Ns	**	***	Ns	Ns
Mean of legumes	Overall	31.1	287.1	33.7	10.4	0.48
Deficiency (%)	Overall	75.00	0.00	75.00	62.50	50.00
Sig. of effect	Species	***	***	***	***	***
	Season	Ns	*	*	Ns	Ns
	Species X	**	Ns	*	Ns	Ns
Grass X Legume	Season	Ns	**	***	*	Ns

Se: Season effect in rainy and dry seasons.

*** : P<0.001; ** : P<0.01; * : P<0.05 and Ns : not significant.