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Feed categories

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Scientific names

- Plant and animal families
- Plant and animal species

Tools

- FAO Ration Tool for dairy cows
- FAO Laboratory Audit Tool

Resources

- Broadening horizons
- Literature search
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- External resources
 - ▶ Literature databases
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Guinea grass, aerial part, fresh



	Unit	Avg	SD	Min	Max	Nb
Main analysis						
Dry matter	% as fed	22.7	7.4	10.2	47.4	1835
Crude protein	% DM	11.2	4.3	3.2	21.4	2396
Crude fibre	% DM	37.3	3.7	27.7	46.9	2218
NDF	% DM	72.3	6.5	54.1	80.2	245 *
ADF	% DM	43.4	5.4	28.2	49.8	178 *
Lignin	% DM	6.1	1.0	3.3	7.6	177 *
Ether extract	% DM	1.8	0.6	0.8	3.8	2077
Ash	% DM	10.5	2.3	6.1	18.2	2218
Gross energy	MJ/kg DM	18.1	0.5	16.9	19.2	21 *
Minerals	Unit	Avg	SD	Min	Max	Nb
Calcium	g/kg DM	4.9	1.7	1.9	17.5	2147
Phosphorus	g/kg DM	2.4	0.9	0.8	4.7	2156
Potassium	g/kg DM	23.1	9.3	5.7	50.3	2054
Sodium	g/kg DM	2.7	2.2	0.3	8.0	86
Magnesium	g/kg DM	3.4	1.3	1.4	7.2	2040
Manganese	mg/kg DM	127	57	49	269	122
Zinc	mg/kg DM	30	8	18	52	123
Copper	mg/kg DM	6	2	3	10	123
Iron	mg/kg DM	279	232	132	683	5
Amino acids	Unit	Avg	SD	Min	Max	Nb
Arginine	% protein	4.9				1
Cystine	% protein	1.4				1
Histidine	% protein	1.8				1
Isoleucine	% protein	4.3				1
Leucine	% protein	8.4				1
Lysine	% protein	5.6				1
Methionine	% protein	2.1				1
Phenylalanine	% protein	5.3				1
Threonine	% protein	4.7				1
Tryptophan	% protein	2.2				1
Valine	% protein	6.6				1
Secondary metabolites	Unit	Avg	SD	Min	Max	Nb
Tannins (eq. tannic acid)	g/kg DM	5.6		1.0	10.1	2
Tannins, condensed (eq. catechin)	g/kg DM	0.0				1
Ruminant nutritive values	Unit	Avg	SD	Min	Max	Nb
OM digestibility, Ruminant	%	59.2	6.5	52.6	79.2	50 *
OM digestibility, ruminants (gas production)	%	65				1
Energy digestibility, ruminants	%	55.3		51.5	59.1	2
DE ruminants	MJ/kg DM	10.0				*
ME ruminants	MJ/kg DM	8.0				*
ME ruminants (gas production)	MJ/kg DM	7.9	0.7	7.1	8.9	5
Nitrogen digestibility, ruminants	%	61.8	11.8	31.5	81.9	61
a (N)	%	25.3	16.7	1.2	40.3	6
b (N)	%	43.0	18.6	6.8	55.0	6
c (N)	h-1	0.038	0.021	0.007	0.058	6

Nitrogen degradability (effective, k=4%)	%	46				
Nitrogen degradability (effective, k=6%)	%	42	15	2	65	16 *

The asterisk * indicates that the average value was obtained by an equation.

References

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Datasheet

Guinea grass (*Megathyrsus maximus*)

Table status

Finished

Table order

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