

Nutrition

Nutrition ID	8,079
Crop ID	Bambara Groundnut
Part	Shoot
Variable	4007 Iron Fe (mg/100g)
Weight Basis	DW
Value Mean	24.95
Value Max	NULL
Value Min	NULL
Data Flag	Calculated value
Analysis Method	analyzed by using inductively coupled plasma-mass spectrometry (ICP-MS)
Pre-treatment	Each shoot sample (2.0 g) was ashed overnight in a crucible at 60 Å°C and 5 mL of 1:1 HCl added and left to stand in an oven overnight at 60 Å°C. The solution was filtered, and distilled water added to make it up to 40 mL. The samples were then analyzed for both major and trace elements using inductively coupled plasma-mass spectrometry (ICP-MS).
Sample Number	NULL
Material Source	Bambara landraces (Red, Brianbeck, Cream, Black and Mottled) were obtained from South Africa and Ghana.
Recommended Data	false
Notes	Noted that the data collected only from Bambara groundnut with nitrate-fed tretment (without inoculation). The value converted from 249.5 mcg/g to 24.95 mg/100g. The study was conducted in a naturally-lit glasshouse located at the Tshwane University of Technology, Pretoria, South Africa during the summer months of October to December 2015. Day and night temperatures were not controlled but average maximum and minimum temperatures were 15 and 28 Å°C respectively. Highlighted treatment in the experiment - Application of nitrate (without inoculation) - 5 mM KNO3-feeding.
Metadata Id	9,260