

Data Dictionary for: Uganda Fertilizers NPChicken data

This data dictionary refers to the files:

- Uganda_Fertilizers_NPChicken_2015A_Season.csv
- Uganda_Fertilizers_NPChicken2015B_Season.csv

These data can be obtained from: <http://dx.doi.org/10.25380/iastate.8214428>

These data support a submitted article in *African Journal of Agricultural Research* not yet accepted for publication.

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Improved fertilization for common bean in Uganda was compiled to test whether fertilization with N, P, and chicken manure can increase yield of common bean on red, black, and black-stony soils in Masaka, Uganda. Using the database, we report how N, P, and chicken manure bean stand density, pod density, seed number per pod, individual seed weight, grain yield, in two growing seasons on three soils. Usage of this dataset has no copyright or propriety restrictions other than citation of the appropriate manuscript.

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TIMELINE

Creation/Collection – 1 Jan 2014

Last Update – 1 Dec 2016

Temporal Start – 1 Jan 2014

Temporal End – 15 June 2016

KEYWORDS

Common bean; *Phaseolus vulgaris*; bean growth, development, and yield; bean fertilization;

Uganda_Fertilizers_NPChicken_2015A_Season.csv

The data table contains 24 columns and 244 rows of information.

Name	Label	Type
h01	Soiltype	Discrete
h02	N (kg/ha)	Discrete
h03	P (kg/ha)	Discrete
h04	Manure (t/ha)	Discrete
h05	Manure N (kg/ha)	Discrete
h06	Manure P (kg/ha)	Discrete
h07	Manure K (kg/ha)	Discrete
h08	Manure Ca (kg/ha)	Discrete
h09	Manure Mg (kg/ha)	Discrete
h10	Planted plot size (m)	Discrete
h11	Harvested plot size (m)	Discrete
h12	Planting date	Discrete
h13	Harvesting date	Discrete
h14	Replicate	Discrete
h15	Leaf area	Discrete
h16	Leaf area index	Discrete
h17	Total nodules	Discrete
h18	Effective nodules	Discrete
h19	No pods	Discrete
h20	Seeds/pod	Discrete
h21	Dry biomass (kg/ha)	Discrete
h22	Dry beans grain (kg/ha)	Discrete
h23	100 seed weight (g)	Discrete
h24	Harvest Index	Discrete

Uganda_Fertilizers_NPChicken2015B_Season.csv

The data table contains 24 columns and 181 rows of information.

Name	Label	Type
h01	Soiltype	Discrete
h02	N (kg/ha)	Discrete
h03	P (kg/ha)	Discrete
h04	Manure (t/ha)	Discrete
h05	Manure N (kg/ha)	Discrete
h06	Manure P (kg/ha)	Discrete
h07	Manure K (kg/ha)	Discrete
h08	Manure Ca (kg/ha)	Discrete
h09	Manure Mg (kg/ha)	Discrete
h10	Planted plot size (m)	Discrete
h12	Planting date	Discrete
h13	Harvesting date	Discrete
h14	Replicate	Discrete
h17	Total nodules	Discrete
h18	Effective nodules	Discrete
h19	No pods	Discrete
h20	Seeds/pod	Discrete
h21	Dry biomass (kg/ha)	Discrete
h22	Dry beans grain (kg/ha)	Discrete
h23	100 seed weight (g)	Discrete
h24	Harvest Index	Discrete

The data included in columns are being used in one journal publication not yet accepted for publication.