THE LIVESTOCK NUTRITION LABORATORY

About the Livestock Nutrition Lab

Constructed in 2015 with funding from the East African Agricultural Productivity Project (EAAPP), the lab was completed and handover in February, 2016.

The lab is fully functional and handles a range of samples including;

1. Livestock feeds including grasses, legumes, silage and concentrates
2. Milk samples
3. Meat samples

The following analyses can be carried on the above mentioned samples;

1. Dry matter
2. Crude protein
3. Fiber
4. Fat
5. Energy



Vision

A productive and profitable livestock sector utilizing quality forages, feeds and well balanced dietary rations

Mandate

Provision of technical and analytical services to livestock farmers, feed manufacturers and researchers in order to ensure high quality of livestock feeds and products

Services offered

The services include;

1. Analysis of forage resources (grasses, legumes, crop residues and agro industrial by-products) available to farmers and feed manufacturers

2. Analysis of commercially formulated feeds on the market for both poultry and other livestock species

3. Test the quality of ingredients used in formulation of commercial feeds.

Energy and protein analysis

- Energy and protein are the most important nutrients in ensuring efficient production from any livestock species.

- Very often the protein sources used in formulation of livestock feeds are adulterated by unscrupulous dealers hence the need for analysis of protein before feed formulation.



Fiber and fat analysis in livestock feeds







The following fiber analyses are carried out in the lab;

1. Neutral Detergent Fiber (**NDF**)

2. Acid Detergent Lignin (**ADL**)

3. Acid Detergent Fiber (**ADF**)

4. Crude fiber (**CF**)



Acknowledgements

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•GOU-EAAPP for Funding support for procurement of laboratory equipment