



# **INCLUSION OF CASSAVA PRODUCTS IN COMMERCIAL LIVESTOCK FEEDS: ROLES AND RESPONSIBILITIES OF LIVESTOCK EXPERTS, FEED MILLERS AND CASSAVA ADDING VALUE FOR AFRICA PHASE II**

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# PREAMBLE

## Outline

- Place of Livestock and poultry in the world nutrition profile
- Contribution of Poultry in Sustainable Animal Protein
- Challenge of the Industry
- Review of earlier Reports
- Solution
- Outlook (Roles and Responsibilities of Stakeholders)

## Action Plan

- Proximate and biological analysis of commercial poultry feed
- Feasible and viable cassava chips production cost analysis
- Least cost feed formulation for different commercial poultry types
- Redefine and appropriate technology to produce cassava chips, grits of guaranteed quality that meet the nutritional needs of the fast growing poultry sub-sector.
- Extension education and enlightenment through trainings and workshops with Poultry Association of Nigeria (PAN)
- Training and workshops for small and medium scale commercial feed millers Association
- Trainings and workshops to cassava growers Association
- Explore the CAVA II Secondary School Cassava Production Initiative (CAVA-SESCAPI)

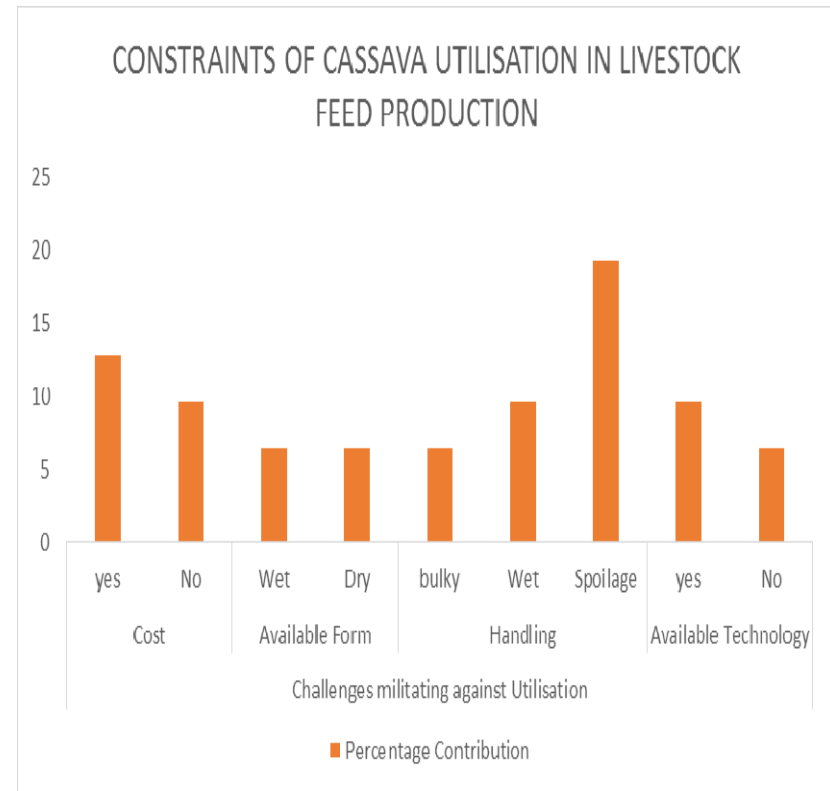
# CHALLENGES OF CASSAVA UTILIZATION IN COMMERCIAL LIVESTOCK FEED PRODUCTION

- Low availability of cassava
- Low ease of use
- Low nutrient quality
- Poor farmer's interest
- Incidence of salmonella disease
- High resultant production cost
- Powdery and dusty nature of cassava flour and
- More suitable in broiler production

# Factors Against Cassava Use in Livestock Feed Production

Other reasons for low use of Cassava were:

- Only suitable in broiler production if well prepared
- Egg produced from cassava based layer diet do not keep long
- Spoilage



## REVIEW OF EARLIER REPORTS

- Previous studies by Bennett (2013) on early 'thoughts' of other cassava products and markets place and Bello *et al.* (2014) on current status on cassava utilization in the formulation of feeds for poultry, small ruminants and pigs indicated high feasibility and potential for cassava products in the livestock feed in CAVA II collaborating countries (Ghana, Malawi, Nigeria, Tanzania and Uganda)

## JUSTIFICATION

- There is need to reduce identified challenges with cassava for it to compete favorably with maize in livestock feeds and become preferred feedstuff
- Collective responsibilities of Livestock experts (farmers), livestock feed producers and Cassava: Adding Value for Africa (CAVA II) in the desire for enhanced profitable cassava production and utilization in commercial livestock feed through feasible, visible and viable value chain and sustainable livelihood of cassava producers and value chain links.

# TECHNIQUES TO REDUCE INCIDENCE OF SALMONELLA DISEASE

Action Plan	Objective	Item	Roles and responsibilities of Livestock Experts	Roles and responsibilities of Commercial Feed millers	Roles and responsibilities of CAVA II	Expected Output
5	Salmonella determination and analysis	Cassava samples	1. Livestock experts collaboration with Feed millers at every stage of value chain to determine point of infection	1. Feed millers work closely with Livestock experts on salmonella determination and analysis		1. determine critical point of infection in Cassava product value
			2. Keep track of a particular product source and analyse for Salmonella content across the value chain			2. Provide advisory services to Poultry Farmers, Feed millers and Cassava
			3. Replicate study at across CAVA II			

## EXTENSION EDUCATION AND ENLIGHTENMENT

1. Enlightenment trainings and workshop with:
  - ✓ Poultry Association of Nigeria (PAN)
  - ✓ Small and Medium Scale Commercial Feed Millers Association
  - ✓ Cassava Growers Association
2. Explore CAVA II Secondary School Cassava Production Initiative (CAVA-SESCAPI)



## CONCLUSION

Concerted efforts on but not necessarily limited to the aforementioned in order for CAVA II to meet its set goals and objectives