



Makerere University's contribution to tackling Agro Postharvest losses

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**Postharvest Expert Meeting and Policy Write Shop:
Strengthening the Engagement of Knowledge Institutes
in ARD Policy Processes**

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Origin of Makerere University



- ❑ **Established in 1922** as a technical school and later renamed Uganda Technical College
- ❑ Makerere University is one of the oldest **Universities in Africa**.
- ❑ The College's first courses were in Medical Care, **Agriculture**, Veterinary Sciences and Teacher Training.
- ❑ In 1949, it became a University College affiliated to the University College of London, offering courses leading to the general degrees.
- ❑ On July 1, 1970, Makerere became an independent national university of the Republic of Uganda, offering **undergraduate and postgraduate courses** leading to its own awards.
- ❑ Makerere University now offers not only day but evening and external study programmes to a student body of about 35,000 undergraduates and 3,000 postgraduates (both Ugandan and foreign).
- ❑ The University has transitioned from the Faculty-based structure to the **collegiate system** since July 1st, 2011 and has 9 Constituent Colleges.

Makerere University (MAK)

MAK's mission is to provide innovative teaching, learning, research and services responsive to National and Global needs.

MAK's three fold mandate

- ☐ Training/ capacity building
- ☐ Research
- ☐ Outreach

MAK **units addressing post harvest** aspects of agro produce

1. College of Agricultural and Environmental Sciences
2. College of Business & Management Sciences in collaboration with Uganda Bureau of Statistics (UBOS)
3. Makerere University Business School[#]

[#]Eyaa, S. and Ntayi, J. M. (2010), Procurement Practices and Supply Chain Performance of SMEs in Kampala. Asian Journal of Business Management 2 (4): 82-88

College of Agricultural and Environmental Sciences (CAES)

Its mission is to advance training, knowledge generation and service delivery in order to enhance ***agricultural development, sustainable natural resource utilization and environmental management.***

☐ The schools

1. School of Agricultural Production
2. The School of Forestry, Environmental and Geographical Sciences
3. **School of Food Technology, Nutrition and Bio-engineering systems**

☐ The Research Institutes

1. Makerere University Agricultural Research Institute- Kabanyolo (MUARIK) - facilitates demand-driven training and outreach services to the farming community, other organizations and institutions involved in the agricultural and agro-industrial development
2. Makerere University Biological Field Stations (MUBFS)

College of Agricultural and Environmental Sciences (CAES)

❑ Research Centers

1. Makerere University Climate Change Research and Innovations Centre(MUCCRI)
2. Geographic and Biodiversity Information Centre – Department of Forestry Sciences, Biodiversity Conservation and Tourism Management
3. Centre for Waste Management.
4. Centre for Mountain Resources and Disaster Management - Department of Geography, Geo-Informatics and Climate Sciences
5. **Food Technology and Business Incubation Centre** - School of Food Technology and Human Nutrition
6. Rangeland Resources Centre.
7. Agricultural Policy Analysis Centre - Department of Agribusiness and Natural Resource Economics
8. Plant Biotechnology

School of Food Technology, Nutrition and Bio-engineering systems

❑ Department of Food Technology and Nutrition

Uganda's leading center for training and research in food packaging, food processing and preservation, food chemical and microbiological analyses, and post harvest handling technologies, and human nutrition.

❑ Department of Agricultural & Bio-systems Engineering.

One of Uganda's leading centers of research and training in food engineering, **solid waste management**, biochemical process design and control of process optimization, agro based machinery installation, soil and water engineering, farm power and machinery, **waste water and engineering, agricultural processing engineering**, renewable energy, forest engineering, pulp and paper making from cellulosic fibers.

Department of Food Technology and Nutrition

- ❑ Training/ capacity building
 - ✓ Post harvest technology
 - ✓ Sanitation & Waste Management
 - ✓ Food Biotechnology
 - ✓ Food Quality Assurance
 - ✓ Food Safety & Hygiene
 - ✓ **Post harvest technology of plant products**
 - ✓ **Postharvest technology of animal products**

- ❑ Selected researches
 - ✓ Aflatoxin contamination of grains, nuts and root crops
 - ✓ Value addition of indigenous technologies
 - ✓ Food safety evaluation of street vended foods
 - ✓ Enhanced micronutrient interventions – national fortification of national vehicle foods, biofortified staples, product development, stability, nutrition advocacy

- ❑ The Schools' outreach arm housed in the **FTBIC**

Pilot Plant Processing facilities





**The Food Technology
Business Incubation Center**
College of Agricultural & Environmental Science
School of Food Technology, Nutrition & Bio-Engineering
Makerere University



Its mission to nurture and sustain new and existing food and allied business by providing innovative research, practical solutions, linkages, entrepreneurship development and outreach leading to wealth creation and nutritional enhancement.

1. Laboratory Services (school's respective departments)
2. Product Development Services (Pilot processing lines – fruits; cereals; meat; dairy)
3. Sensory Analysis
4. Research and Business (in partnership with MAK Business School)
5. Short Course Trainings



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Mobile Fruit Processor track

