

Large Scale Coffee Farmers Association

Unlocking the potential of Uganda coffee sector

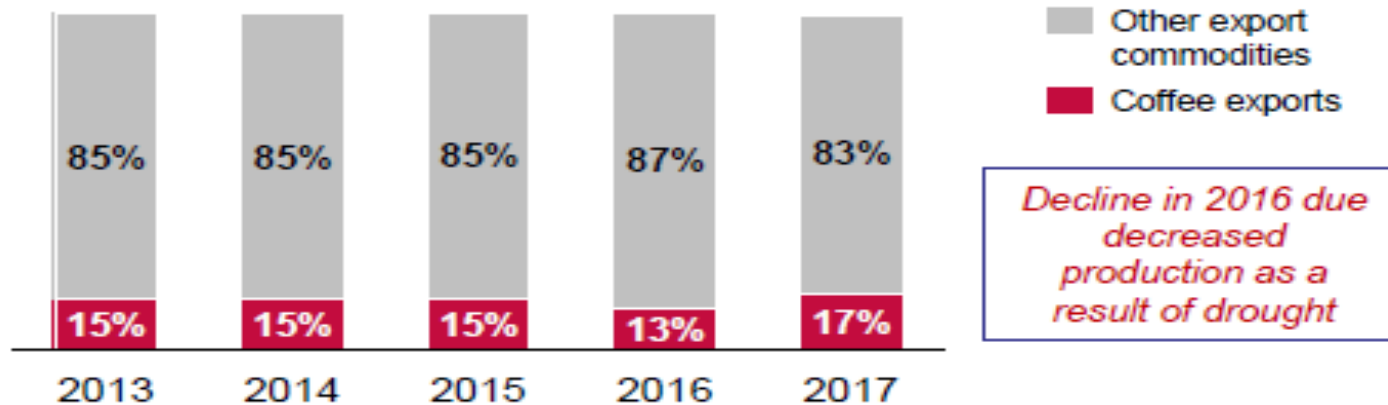


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Importance of Coffee to Uganda

Share of coffee in Uganda's total exports in USD value

Percentage (%)



Source: [Uganda Coffee Development Authority \(UCDA\)](#); Bank of Uganda (2018); Daily Monitor (2016); The Observer (2018); FAOStat; Stakeholder interviews

- Coffee is still Uganda's leading export commodity
- Currently, its production is dominated by smallholders with low yields (600kgs/ha of coffee beans against a yield potential of 3000kgs/ha)
- This yield gap can be bridged by well managed large scale farms
- LSCFA was formed as a result of the economic viability study (by large farmers to promote sustainable coffee production)

Steps in establishing a model coffee farm

Designing the farm layout

THE NJANI ESTATE

THE ESTATE
The Njani estate vision is to integrate modern, green technologies into coffee farming with the purpose of sustainably increasing productivity.
Our mission is to create a new appreciation of modern farming technologies in traditional farming models with particular interest in coffee.
With focus on increasing productivity per acre, Njani Estate is positioning to be a training ground for modern coffee estate management.

HYDROPONICS
Fodder production will be achieved by hydroponics technology. This tech ensures all year round fodder supply for any animals on site, with daily planting and harvesting. The fodder growth cycle lasts only 7 - 10 days.

ANIMAL HUSBANDRY
Zero grazing will allow easy animal management and ensure fully monitored productivity of animals.

GREENHOUSE TECHNOLOGY
Green house technologies will help to reduce mortality of seedlings as well as provide optimum conditions to facilitate steady growth of cuttings.
Our target produce from the greenhouse currently stands at 1,000,000 seedlings per annum.

THE OASIS
This space is nature's little pocket of peace. Surrounded by a natural reserve, the oasis guarantees a sense of oneness with the estate. It is a serene sanctuary.


THE RESIDENCE
Designed to capture the estate owner's legacy, the residence boasts of striking green architectural strategies. These include passive design concepts, cross-ventilation and most especially the use of renewable energy sources and materials.

NJANI CHAI-SPOT
A sampling spot for freshly brewed coffee from our very own estate, the chai-spot will also host the Njani information center for all those looking to learn more about coffee.

WET PROCESSING
Wet processing banks are built fresh from the garden, soaked and dried to remove the outer skin, pulp, mucilage and parchment to leave the desired green bean. The bean is then packaged and ready for sale to roasters.

LEGEND:
A - The Hill coffee garden
B - The Mother garden
C - Standard clonal coffee
D - Food basket
E - Nature reserve
F - Apiculture

ARCHITECTURE
Aside from ensuring 100% protection, the maintenance-free options will offer identification of economic activities on the estate.

SCALE 1:1,000 **Design by:**

Max 120 - 100 000 000

Steps in establishing a model coffee farm

Coffee estate development plan



- Soil testing
- Land preparation
- Farm enterprise selection criteria
- Capitalization plan i.e equity, credit, matching grants, etc.



Coffee Estate Management

Managing a coffee plantation

Using sustainable practices to achieve the yield potential through:

- **Effective farm labour management systems**
- **Applying goods agricultural practices (GAPs)**
- **Responsible use of inputs**
- **Adhering to required standards & social impact**
- **Employing management information systems (IT)**
- **Adopting new technologies and innovations**



Coffee Market Development

Value Addition Initiatives



Benchmarking with other coffee producers

Comparing production systems



Social impact of large scale farmers

Contributing to the Coffee Roadmap targets

- The large coffee farm serve as “nucleus farms” supporting out growers within their communities with access to new agricultural technologies, innovations, value addition and markets.
- LSCFA aims to develop a **circular agriculture farming model**, starting in coffee integrated with other agricultural products, combining international best practices and supporting neighbouring small scale farmers by enabling:
 - improved farm incomes with higher yields of coffee
 - additional crops or farm products (e.g Cascara) to sell
 - increased resilience to climate change
 - elimination of waste and pollution
 - regeneration of natural ecosystems (restoration agriculture)
 - efficient use of renewable resources

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Circular Economy Model Development Consortium

Netherlands

- Nijhuis Industries / Semilla
- Cambisol
- *CREM (circular economy consultants)*
- AMdB Architect
- *The Network Universities (TNU)*
- *Technical Universities / WUR - The Relief Base Foundation*
- *Brand Development Group*

Uganda

- *Uganda Coffee Farmers Alliance*
- Makerere University
- Solar Now
- *Brand Coffee Farm Uganda*
- and others

Enhancing economic partnerships

Areas of cooperation

- Knowledge exchange and sharing best production practices based on circular economy principles.
- Technology transfer in water management, irrigation, renewable energy and farm mechanization.
- Supporting coffee value addition initiatives and market access in the European Union and other destinations.
- Supporting focused investments and structured financing in coffee production and processing.