



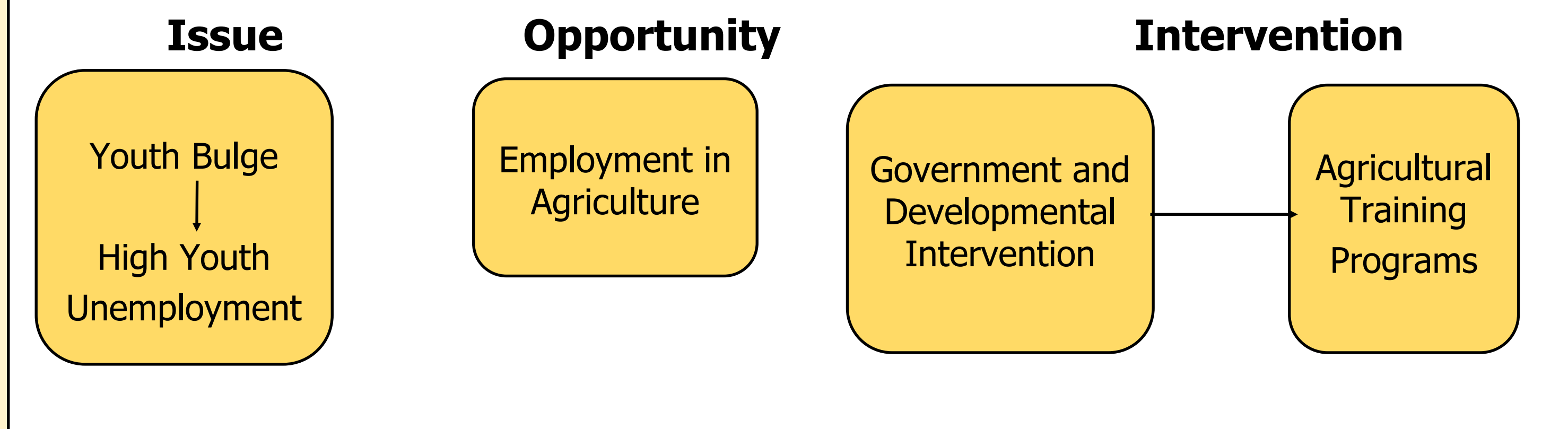
# Factors Influencing Youths' Participation in Agricultural Training Programs: The Case of Fadama GUYS Program in Nigeria

Adeyanju<sup>1</sup>, Dolapo F., Mburu<sup>1</sup>, John, Mignouna<sup>2</sup>, Djana

<sup>1</sup>Department of Agricultural Economics, College of Agriculture and Veterinary Science, University of Nairobi, Kenya

<sup>2</sup>International Institute of Tropical Agriculture, Ibadan, Nigeria.

## Introduction



**Objective** → Identify Factors influencing youth participation in agricultural programs in Nigeria

**Other Objectives** → Assess youth Willingness to engage in Agriculture  
Identify Factors constraining youth participation in agriculture in Nigeria

## The Fadama Graduate Unemployed Youth and Women Support (GUYS) Program

Introduced in 2017 with the aim of empowering unemployed youths in the field of agribusiness so as to reduce youth unemployment. It was conducted in 23 states across Nigeria, targeting people between the ages of 18 and 35 years.



### Funding

The program was funded through a tri-partite agreement between the state government, federal government and the World Bank.

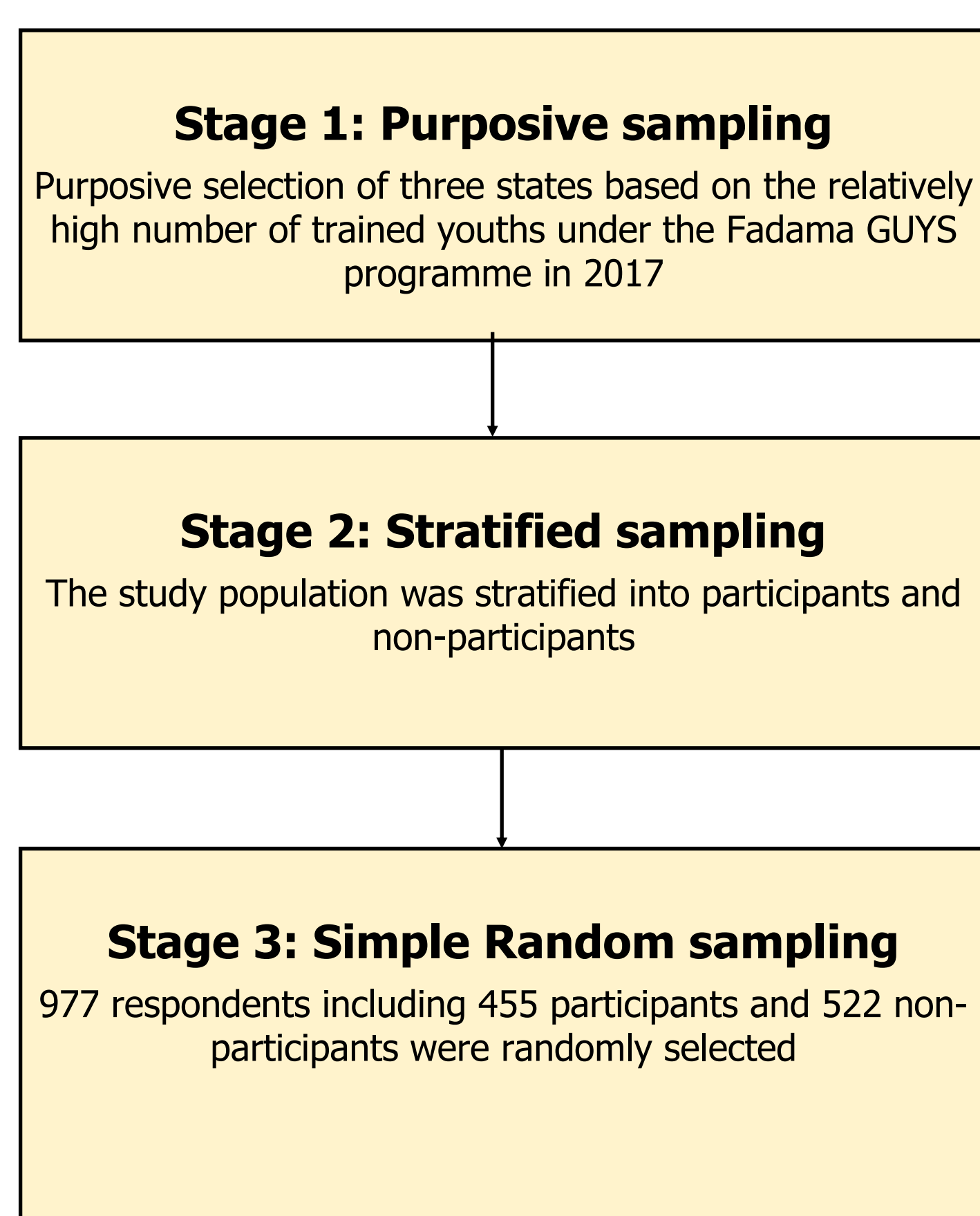
## Study Area

The study was conducted in three states; Kebbi, Ekiti and Abia states.

State	Population	Region	Land Area	Unemployment rate
Abia State	3,699,168	South-east	4,900 sq km	39.6
Ekiti State	2,398,957	South-west	5,435 sq km.	18.6
Kebbi State	3,256,541	North-east	12,600 km sq	11.6

## Sampling Technique

The study adopted a multistage sampling technique as described below:



## Method of Analysis

Data were analyzed using logistic regression model and descriptive statistics

### The Logit Model

$$Z_i = \begin{cases} 1 & \text{iff } Z_i \geq 0 \\ 0 & \text{otherwise} \end{cases}$$

Let the decision to participate in the program,  $Z_i$  be a dichotomous response, taking the value of 1 if a youth participated and 0 for otherwise.

The log-odds is specified as:

$$\text{logit}(P_i) = \log \frac{P_i}{1-P_i}$$

## Results

Variables	Coef.	St.Err.	t-value	dy/dx
Age	0.110	0.025	4.48***	0.027
Years of Formal Education	0.074	0.031	2.35**	0.018
Gender (Male =1)	-0.417	0.183	-2.27**	-0.104
Household size	-0.067	0.028	-2.36**	-0.017
Ownership of Agribusiness	0.940	0.218	4.31***	0.231
Migration Status (Migrated =1)	0.397	0.182	2.19	0.098
Agribusiness Intention	0.674	0.072	9.32***	0.167
Asset Index Score	-0.042	0.033	-1.30	-0.011
Training Perception	0.593	0.296	2.01**	0.142
Agribusiness Perception	0.821	0.271	3.03***	0.192
Household head Education (Years)	0.013	0.027	0.48	0.003
Marital status (Married =1)	0.042	0.254	0.17	0.011
Constant	-7.152	0.802	-8.91***	

Pseudo r-squared: **0.257**

Chi2: 346.49 ; prob > Chi2: 0.000s

\*\*\*, \*\*, \* Significant level at 1, 5 and 10 percent respectively

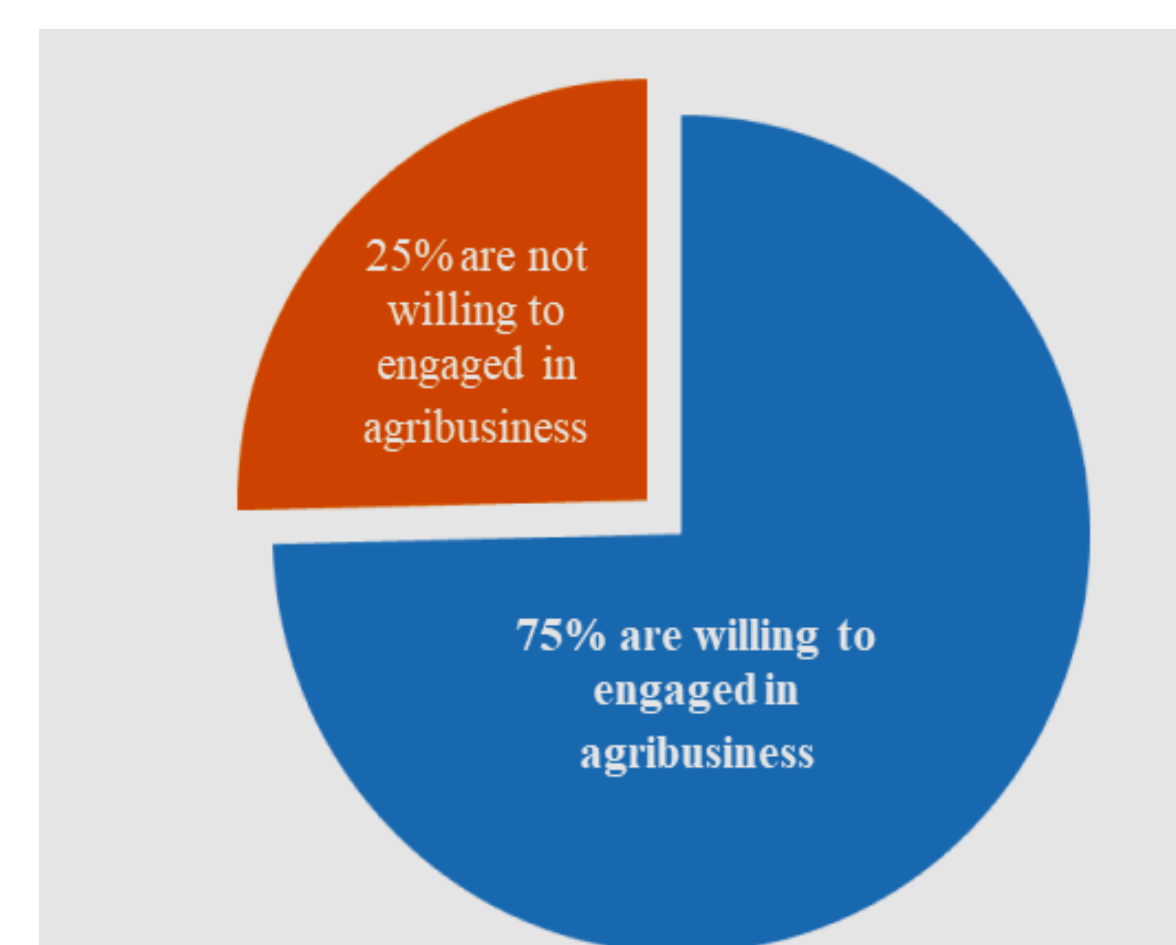
Source : Field Survey Data (2019)

The pseudo r-squared was 26 percent which shows that the model is fit enough for the analysis

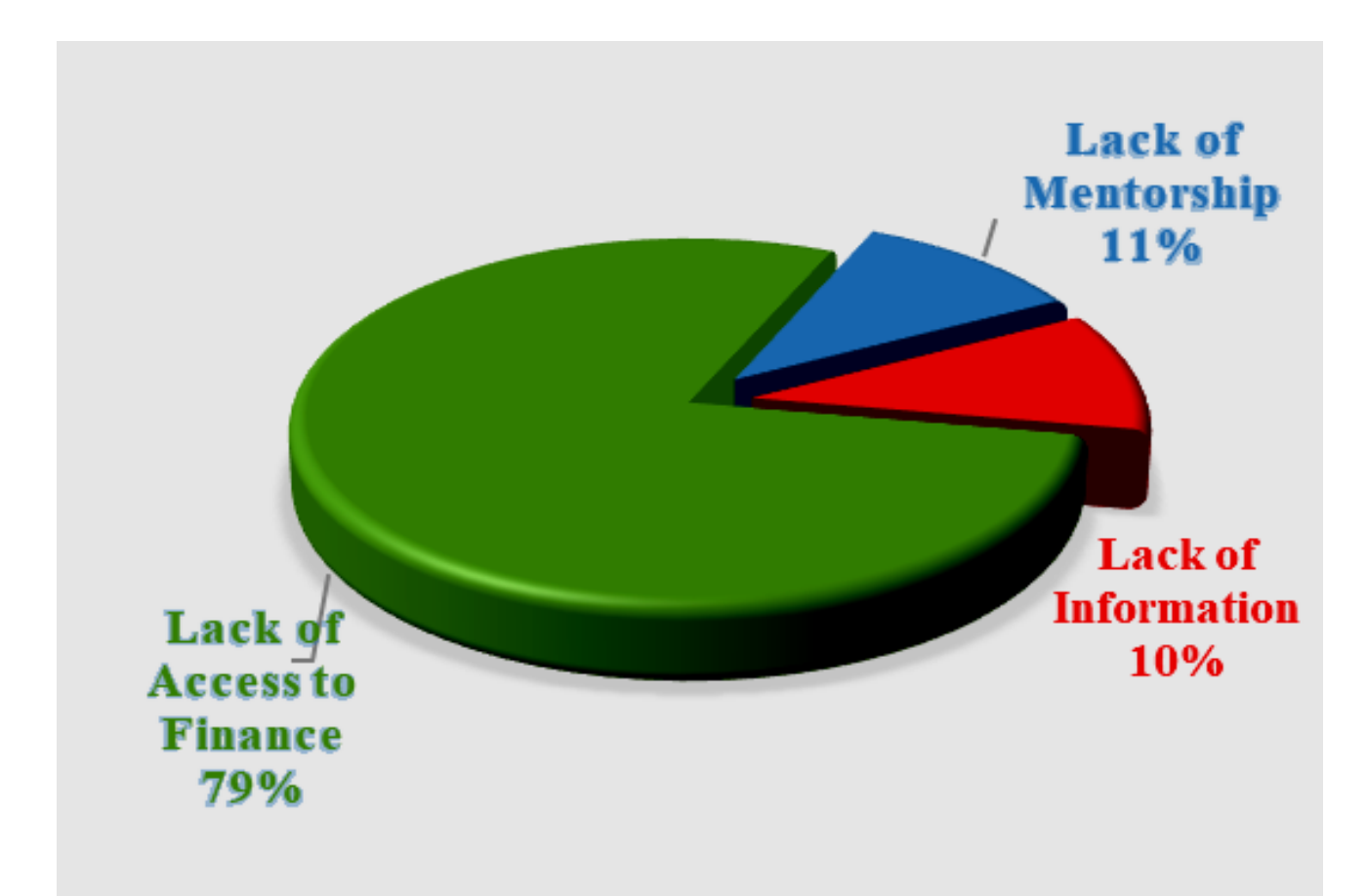
From the table, out of the 12 independent variables hypothesized to influence participation, only three (head of household education, marital status, and asset index) were statistically insignificant.

Gender and Household size were negative and statistically significant at 5 percent. other variables including age, years of formal education, Perception variables and agribusiness intention were all positively and significantly related to participation.

## Percentage Willing to Engage in Agribusiness



## Factors constraining youths from participating in agribusiness



## Discussion and Conclusion

The results of the logit model showed that **age, education, household size, agribusiness intention** and **perception** were factors which significantly influenced youths' decision to participate in the training program.

A remarkable percentage of the youths (**75 per cent**) indicated their willingness to engage in agribusiness which clearly shows that the problem has shifted from the common perception that young people do not find agriculture attractive.

Majority of the youths (**79 per cent**) identified "lack of access to finance" as a major barrier, **11 per cent** attributed their non-engagement to lack of mentorship while **10 per cent** chose lack of information.

## Recommendation

Need to improve youth perception about agribusiness

Improve access to credit facilities

Challenge Funds

Partial credit guarantee to banks

Small grants and loan

Providing relevant mentorship to young people willing to engage in agribusiness