

SUSTAINABILITY CASE STUDY

“Influencing Factors and Opportunities for Empowering Young Female Farmers through Innovative Fruit and Vegetable Production: Evidence from Drylands of Ethiopia”

By

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1. THE PREMISE

❑ **Geographical area:** Dry Land Areas/drought prone areas of Ethiopia

❑ **Focal questions:**

✓ **How do empowering young female farmers through innovative fruit and vegetable production, improve sustainable food and nutrition security of households in drought prone areas of Ethiopia?**

✓ **What are the factors influencing the empowerment of young women in sustaining food and nutrition security?**

2. INTRODUCTION

Agriculture is the **leading primary sector** for growth and development in Ethiopia.

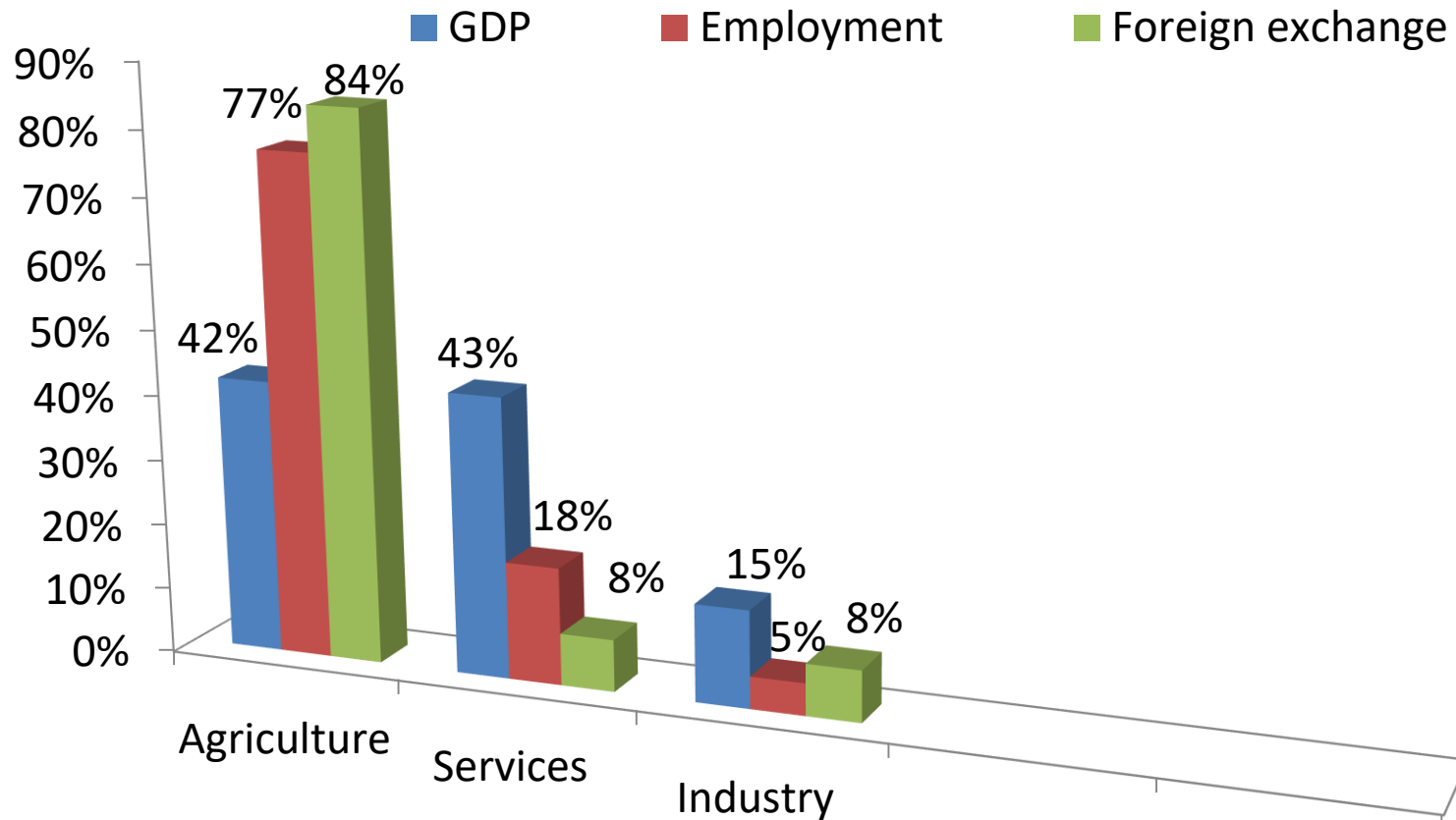


Figure 1. Role of Agriculture in the country growth and development (ATA, 2015]

Introduction (cont'd)

- The **Ethiopian government policy** gives emphasis to agricultural development and it is incorporated as one major component of the GTP to facilitate **sustainable food and nutrition security** of the Ethiopian people.
- In dryland regions of Ethiopia, despite the diverse agro ecology for crop diversity and improved agricultural productivity, there is **imbalance** between population pressure and arable land (Barry and Sarah, 2000; Gebrehiwot, 2008; Tagel, 2008; Zenebe *et al.*, 2011) because of
 - **erratic rainfall,**
 - **poor and fragmented farmlands and**
 - **low yield and**
 - **climate change**
- Especially **food insecure northern region** of Ethiopia.

Introduction (cont'd)

- ➡ This affects **the production and productivity** of agricultural products **and aggravates** the problem of **food and nutrition insecurity**.



Introduction (cont'd)

- ❖ *As a remedy*: Horticulture production provides the opportunity of enhanced production and productivity as well as increasing the participation of smallholders in production and market (Bezabih and Hadera, 2007).
- ❖ In Ethiopia (especially, drought prone areas) as it was cited by Tsegaye *et al.* (2009)
 - **Vegetables** are grown by only **13.6%** of households
 - **Fruits** are grown by **7.8%** of households
- ❖ Therefore, the consumption of **fruits** and **vegetables** is very **low**; affecting the **health**, **economic** and **social problems** of the people.

Introduction (cont'd)

- For example, about **five million** people suffer from lack of vitamins and essential minerals, of which **80%** are children (Fekadu and Dandena, 2006).
- Thus, vegetable and fruit crops are important for food and nutrition security in times of drought and famine (Tadele and Derebew, 2015).



✦ Problems on participation of young women in drought prone areas of Ethiopia!



3. THE CASE STUDY: IMPORTANCE

- ✦ Establishing a case study that can address the mentioned problems aims to work on integrated fruit and vegetable production through agri-business cooperation.
- ✦ This engages young female farmers (aged:18-35) who would get socio-economic benefits that also ensure food and nutrition security and improves their livelihoods, as aspired by the GTP II.
- ✦ Other community members would also benefit from this as the young female farmers are significant part of the society: through improved food security, improved diets and job creation

4. METHODOLOGY

Sampling

- ✓ Multi-stage sampling method is used to select sample respondents from a purposively selected districts.

Data Sources

- ✓ Both stakeholders (governmental and non-governmental institutions) will be included for the case study (BoARD, EDRI, EIAR and EATA as well as from the purposively selected districts)

Data Collection

- ✓ A structured and semi-structured questionnaires are used to collect data (both qualitative and quantitative) by abled enumerators

Data Analysis

- ✓ Both descriptive, inferential and econometrics analysis will be employed

5. EXPECTED RESULTS

 The expected results are:

- ✓ **Empowerment of young female farmers in decision making and economic capacity and food secure (increase by 40%)**
- ✓ **Creation of additional jobs for improved purchasing power (food and non-food items)**
- ✓ **Improved technical skills and knowledge of irrigated agriculture**
- ✓ **Constraints identification that could contribute to policy revision**
- ✓ **Improved food and nutrition security of households**

6. BUDGET PLAN

Number of Years	Research Item	Description	Sub-total (US\$)
Year 1	Operational cost and baseline survey	Stationery, field equipment, questionnaire duplication, seeds, fertilizers, labor, irrigation facilities, fuels and lubricants, electric generator , drinking water lifting equipment from wells, cultural equipment's??, storage materials	20,000.00
Year 1 and 2	Perdiem	Perdiem for the researcher, enumerators, daily labourers and drivers	6,000.00
Year 2 and 3	Orchard establishment	Rental fee of plots of land for demonstration , laboratory equipment, chemicals (for quality analysis, soil analysis)	12,000.00
Year 4	Workshops and travel cost	Participation in national and international workshops (travel and participation fee costs)	8,000.00
Year 5	Publications	Dissertation binding and Publication fee	4,000.00
Grand Total			50,000.00

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**If we Eat, we are in Agriculture: Thus, Let us
Invest on It!**

FOR

**“Healthy Life, Healthy Economy and Healthy
Environment”**

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**THANK YOU
FOR YOUR
ATTENTION !!**

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A blue background featuring the Ethiopian flag and a green map of Ethiopia. The text is in red and white.