




EverGreen Agriculture as a Transformational Approach to Climate Change Resilience



World Agroforestry Centre
TRANSFORMING LIVES AND LANDSCAPES

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THIS IS THE FUTURE

Maize farming in a *Faidherbia* agroforest in Mbarali District, Southern Highlands, Tanzania. 2008

Photo: Saidi Mkomwa

A photograph showing a large, leafless tree in the center-left of the frame. The tree has a thick trunk and a wide, spreading canopy of bare branches. In the foreground and middle ground, there is a field of green crops, likely corn, growing in rows. The ground is a mix of green vegetation and yellowish-brown soil. In the background, there are more trees and a cloudy sky. The overall scene illustrates the 'halo effect' of a tree in an agricultural setting.

The Faidherbia halo effect

- **Microclimate buffering**
- **Soil fertility improvement**



A parkland farmlands renaissance in Niger



Five million hectares of croplands now dominated by fertilizer trees in Niger

***Faidherbia albida* is commonly found in cereal crop systems in Ethiopia**





EverGreen Agriculture with *Faidherbia albida*

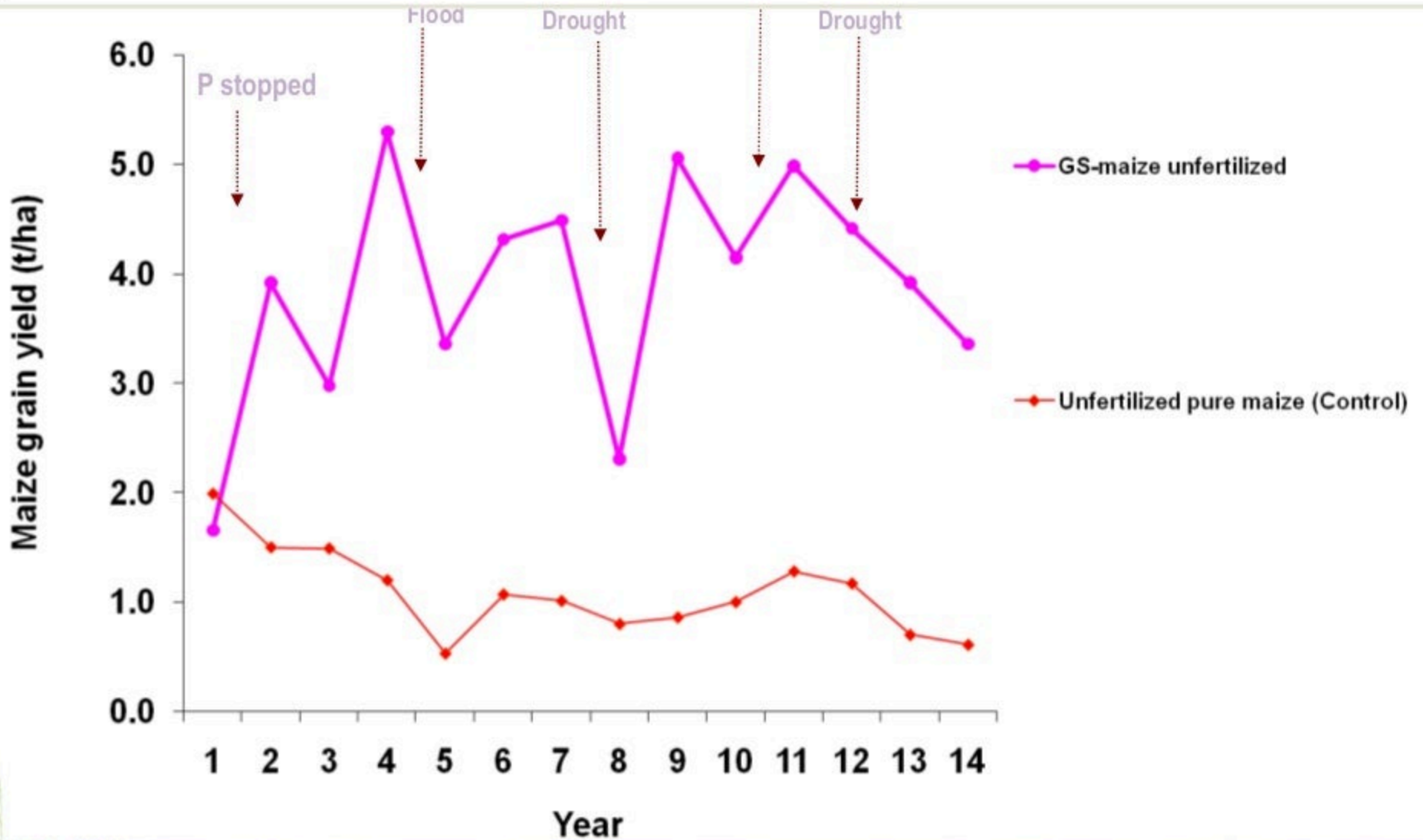


**Small-scale Conservation Farming with *Faidherbia*
Zambia**

***Gliricidia*: N-fixing fertilizer trees double maize yields in Malawi**



Long-term maize yield without fertilizer in a *Gliricidia* system



Impact of fertilizer trees on maize yield under farmer management

Plot management	Yield (t/ha)
Maize only	1.30
Maize + fertilizer trees	3.05

2011 Survey of farms in six districts (Mzimba, Lilongwe, Mulanje, Salima, Thyolo and Machinga)

What is Evergreen Agriculture?

A form of more intensive farming that integrates trees into crop and livestock production systems.

EverGreen farming systems are ‘double-story’ systems that feature both perennial and annual species (food crops and trees), maintaining a green cover on the land throughout the year.

Types of Evergreen Agriculture

- 1. Farmer-Managed Natural Regeneration (FMNR) on cropland**
- 2. Conservation agriculture with trees (CAWT)**
- 3. Conventional agriculture interplanted with trees**

Malawi National Agroforestry Food Security Programme



Climate-Smart Agriculture

Africa: A Call
to Action



agriculture,
forestry & fisheries

Department
of Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA



African Union

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17 Countries are engaged in EverGreen Agriculture



EverGreen Agriculture Partnership



Conclusions – Way Forward

- **EverGreen Agriculture is a climate resilient agriculture** that regenerates land health and enhances food security.
- **The approach has taken root** in Africa and is spreading rapidly.
- **Millions of smallholders** are adopting these very low cost and effective land regeneration methods.
- **Many nations are creating the policy and institutional mechanisms** to foster adoption.

For More Information

World Agroforestry Centre
www.worldagroforestry.org

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