



Biochar & Insect Composted Organic Fertilizers

FINANCED BY THE FRENCH EMBASSY IN KENYA

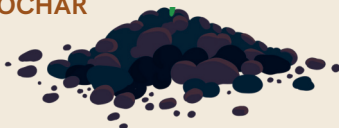
WASTE TO WEALTH



AGRICULTURAL
RESIDUE



BIOCHAR



SOIL BENEFITS

Improved Soil Water

Improved Soil Fertility

Increased Soil Carbon

Decreased nutrient loss

INCREASED YIELD



Partner Institutions



BIOCHAR AND INSECT-COMPOSTED ORGANIC FERTILIZERS IN KENYA (BIO-KENYA PROJECT)

A project supported by The French Embassy in Kenya through The National Research Fund (NRF) Competitive Grant Scheme

OVERALL OBJECTIVE

To improve food productivity and income generation among smallholder farmers in Busia, Siaya and Kisumu counties through the adoption of biochar and Insect Composted Fertiliser

EXPECTED OUTCOMES

ENHANCED AGRICULTURAL PRODUCTIVITY & FOOD SECURITY

- Improved soil fertility
- Increased crop yields
- Sustainable farming practices

STIMULATED ECONOMIC GROWTH AND IMPROVED LIVELIHOODS

- Job creation
- Increased farmer incomes
- Market expansion

ENVIRONMENTAL SUSTAINABILITY AND CLIMATE RESILIENCE

- Carbon sequestration
- Improved soil and water management
- Waste reduction and resource use efficiency

PROJECT APPROACH

- Adapt biochar & Insect Composted Organic Fertiliser to biophysical & socio-economic environment of smallholder farmers through participatory action research.
- Build capacity of smallholder farmers, extension agents, researchers & local institutions in sustainable use of biochar & Insect Composted Organic Fertilisers through excursions, hands-on trainings & post-graduate scholarships
- Support evidence-based policy formulation on sustainable production & utilisation of Insect Composted Organic Fertilisers and biochar by sharing project results with policy makers in round-table meetings, workshops & scientific conferences



FIG 1. PROJECT SITES

-  **BUSIA COUNTY**
-  **KISUMU COUNTY**
-  **SIAYA COUNTY**

THE CONSORTIUM