

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 organic fertilizers (ICOF)

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 & ICOF 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 & ICOF through excursions, hands-on trainings & post-graduate scholarships
- Support evidence-based policy formulation on sustainable production & utilization of ICOF and biochar by sharing project results with policy makers in round-table meetings, workshops & scientific conferences
- To commercialize biochar in Western Kenya, through farmers training, establishment of production units, development of supply chains, formation of strategic partnerships, and supporting ecosystem sustainability.



- BUSIA COUNTY
- KISUMU COUNTY
- SIAYA COUNTY

FIG 1. PROJECT SITES

THE CONSORTIUM

